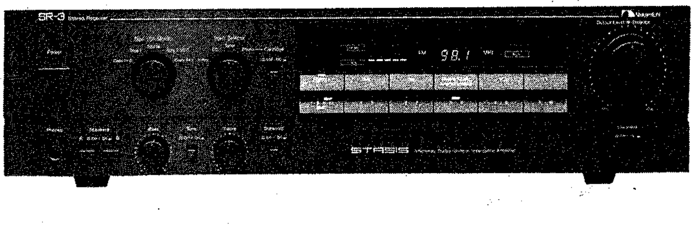
Nakamichi

# Service Manual

# Nakamichi
# SR-3
# SR-3A
# SR-3E
## Stereo Receiver



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## 1. GENERAL

### 1.1. Voltage Selector

Voltage selector is installed on the rear panel for Other version of the Nakamichi SR-3.
This voltage selector can select either 110 V, 120 V, 220 V or 240 V at customer's disposal.

| Schematic Ref. No. | Part No. | Description | Q'ty |
|---|---|---|---|
| | FA03548A | Package Ass'y (SR-3 (Canada)) | 1 |
| | FA03550A | Package Ass'y (SR-3 (Australia)) | 1 |
| | FA03549A | Package Ass'y (SR-3 (Other)) | 1 |
| | FA03547A | Package Ass'y (SR-3A) | 1 |
| | FA03569A | Package Ass'y (SR-3E (Europe & Germany)) | 1 |
| 01 | 0F03988A | Carton Box (SR-3) | 1 |
| | 0F03987A | Carton Box (SR-3A) | 1 |
| | 0F03990B | Carton Box (SR-3E) | 1 |
| 02 | 0F03984B | Packing L | 1 |
| 03 | 0F03991A | Packing R | 1 |
| 04 | 0F03670A | Poly-Sheet | 1 |
| — | 0M03456A | Voltage Seal 220V (SR-3 (Other)) | 2 |
| — | 0M03457A | Voltage Seal 240V (SR-3 (Australia)) | 2 |
| | DA03991A | Accessory Ass'y (SR-3 (Canada)) | 1 |
| | DA03992A | Accessory Ass'y (SR-3 (Australia)) | 1 |
| | DA04009A | Accessory Ass'y (SR-3 (Other)) | 1 |
| | DA03990A | Accessory Ass'y (SR-3A) | 1 |
| | DA03996A | Accessory Ass'y (SR-3E (Europe)) | 1 |
| | DA04055A | Accessory Ass'y (SR-3E (Germany)) | 1 |
| 01 | 0B90070A | AM Loop Antenna Holder | 1 |
| 02 | 0B90081A | Feeder Antenna | 1 |
| 03 | 0B90194A | Antenna Adapter F (SR-3 & SR-3A) | 1 |
| | 0B90208A | Antenna Adapter EP (SR-3E) | 1 |
| 04 | 0B90198A | AM Loop Antenna | 1 |
| — | 0D03092B | Poly-Bag 320x340x0.08 | 1 |
| — | 0D04449A | Important Notice Card | 1 |
| — | 0D04651B | Owner's Manual SR-4/3/2 & SR-4A/3A/2A | 1 |
| | 0D04764B | Owner's Manual SR-4E/3E/2E | 1 |
| — | 0D04673B | French Text (SR-4/3/2 (Canada)) | 1 |
| — | 0D04674B | Owner's Manual Text (SR-4/3/2 (Australia)) | 1 |
| — | 0D04675B | Owner's Manual Text (SR-4/3/2 (Other)) | 1 |
| — | DA03873A | Warranty Card Ass'y (SR-3A) | 1 |
| — | 0D04766A | Catalogue (SR-3A) | 1 |
| — | 0D04767A | Warranty Card (SR-3 (Canada)) | 1 |

### 1.2. Package Ass'y and Parts List

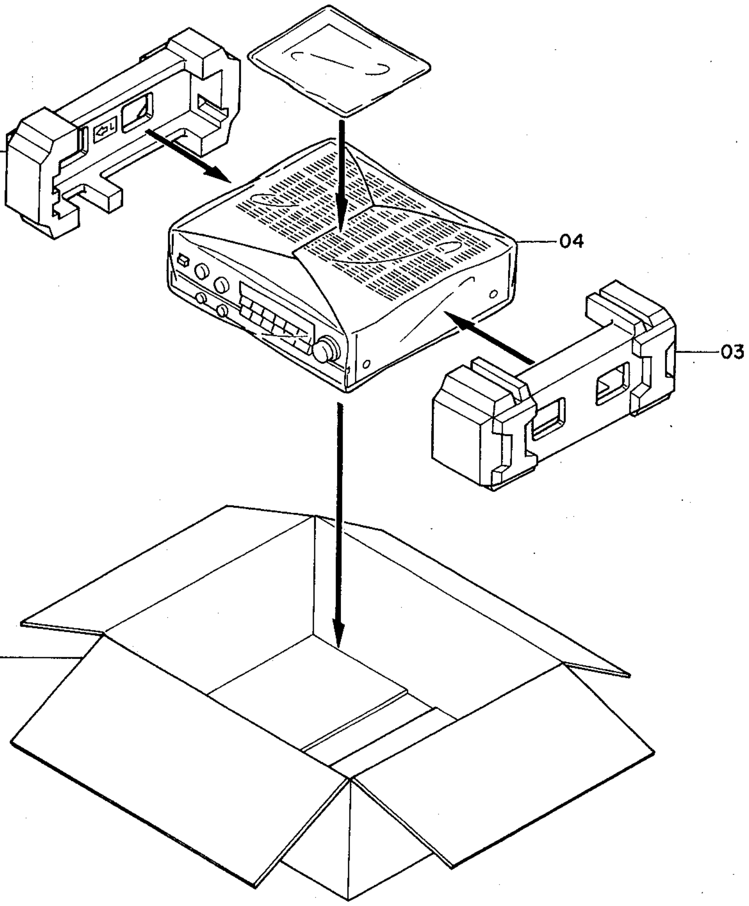


Fig. 1.1

### 1.3. Accessory Ass'y and Parts List

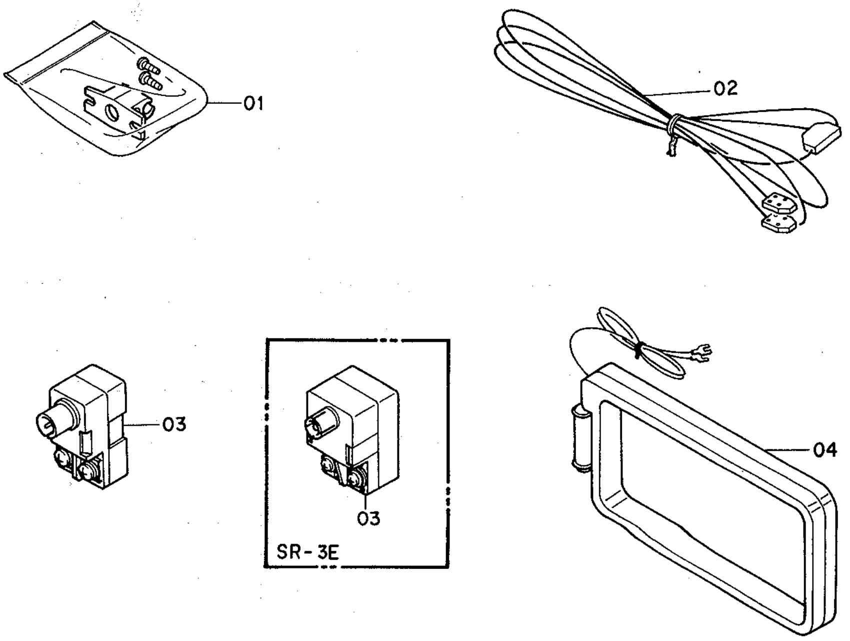

01
02
03
03
SR-3E
04

Fig. 1.2

## 2. PARTS LOCATION FOR ELECTRICAL ADJUSTMENT

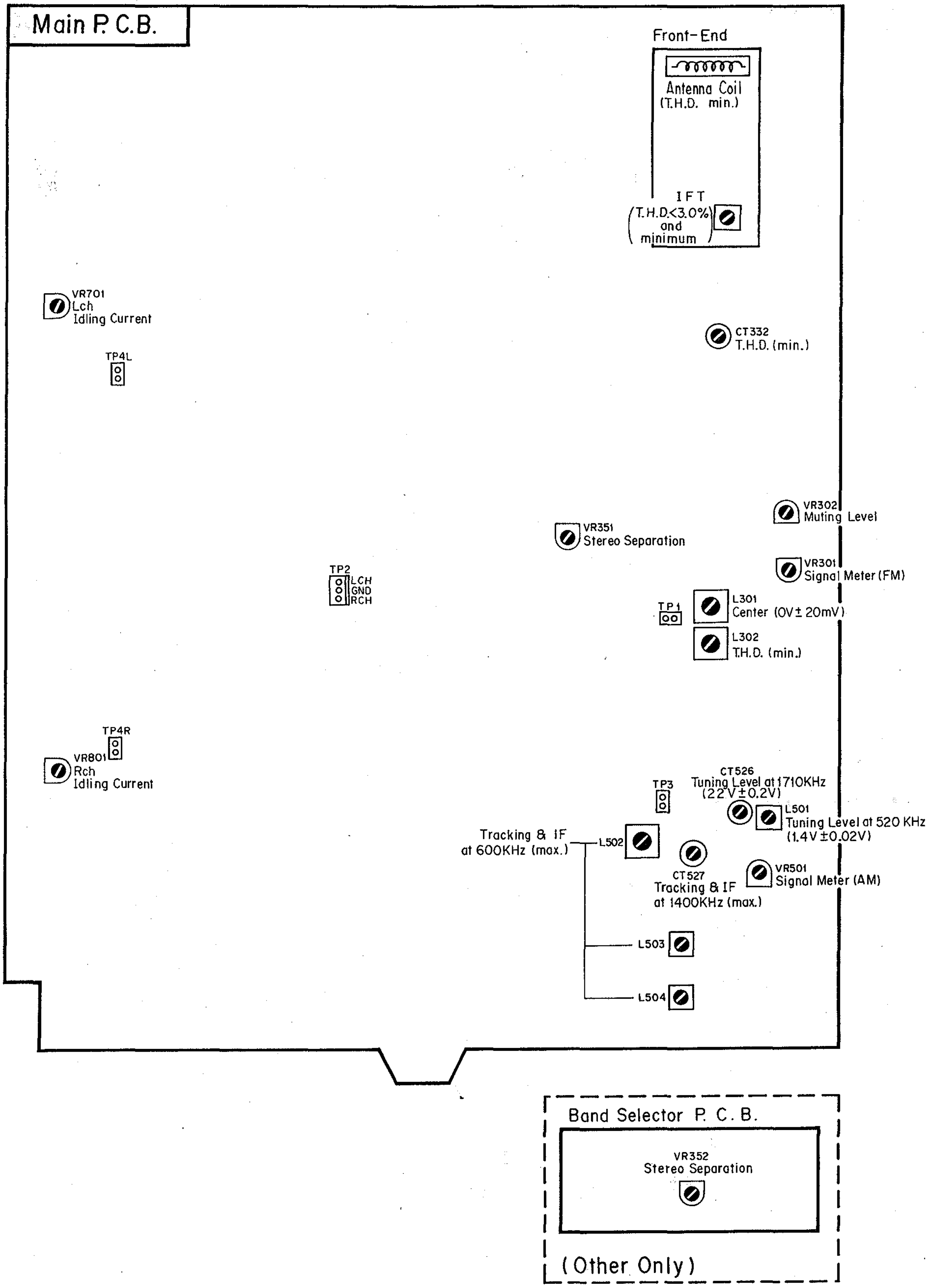

Main P. C.B.
Front-End
Antenna Coil
(T.H.D. min.)
IFT
(T.H.D.<3.0% and minimum)
VR701
Lch
Idling Current
TP4L
CT332
T.H.D. (min.)
VR302
Muting Level
VR351
Stereo Separation
VR301
Signal Meter (FM)
TP2
LCH
GND
RCH
TP1
L301
Center (0V± 20mV)
L302
T.H.D. (min.)
TP4R
VR801
Rch
Idling Current
CT526
Tuning Level at 1710KHz
(22V±0.2V)
TP3
L501
Tuning Level at 520 KHz
(1.4V±0.02V)
Tracking & IF
at 600KHz (max.)
L502
CT527
Tracking & IF
at 1400KHz (max.)
VR501
Signal Meter (AM)
L503
L504
Band Selector P. C. B.
VR352
Stereo Separation
(Other Only)

Fig. 2

## 3. ELECTRICAL ADJUSTMENTS

### 3.1. Power Amplifier Section

| STEP | ITEM | SIGNAL SOURCE | OUTPUT CONNECTION | MODE | ADJUST-MENT | REMARKS |
|---|---|---|---|---|---|---|
| 1 | Idling Current | None | DC Voltmeter between TP4L-1 & 2 and TP4R-1 & 2 on Main P.C.B. | Input Selector - CD<br>Output Level - Min.<br>Speaker Selector A/B - OFF | Main P.C.B.<br>VR701<br>VR801 | 1. Insert shorting plugs into the CD Player Input Jacks.<br>2. Turn ON the power and allow 3 minutes before adjusting. (Top Cover must be installed in this period of time.)<br>3. Adjust VR701 (VR801) to obtain 20 mV ±1 mV on the DC voltmeter. |

### 3.2. Tuner Section

Note: Adjustment should be made in a shielded room in principle.

### 3.2.1. FM Tuner Section

| STEP | ITEM | OUTPUT CONNECTION | MODE | ADJUST-MENT | REMARKS |
|---|---|---|---|---|---|
| 1 | Preliminary Step | See Fig. 3.1 | Stereo Receiver<br>Input Selector - Tuner<br>Band Selector - FM<br>Tape Monitor - Source<br><br>Signal Generator<br>Freq. - 98 MHz<br>RF Level - 65 dBf<br>Modulation - See REMARKS | | 1. Set the Stereo Receiver as indicated in the MODE.<br>2. Adjustment and confirmation should be made after tuning in to the set carrier frequency of the Signal Generator.<br><br>Note: Contents of modulation<br>1. For U.S.A., Canada & Other (Wide)<br>o Stereo<br>Audio: 1 kHz, 91%<br>Pilot: 19 kHz, 9%<br>o Mono<br>Audio: 1 kHz, 100%<br>2. For Europe, Germany, Australia & Other (Narrow)<br>o Stereo<br>Audio: 1 kHz, 51%<br>Pilot: 19 kHz, 9%<br>o Mono<br>Audio: 1 kHz, 60% |
| 2 | Usable Sensitivity Adjustment | Distortion Meter to Tape 1 Record Output Jacks | Stereo Receiver<br>Same as above<br><br>Signal Generator<br>Freq. - 98 MHz<br>RF Level - 12.5 dBf<br>Modulation - Mono | Main P.C.B.<br>Front-end<br>IFT<br>Antenna Coil<br>(See Fig. 2) | 1. Set the Stereo Receiver to Manual mode by pressing the Tuning Mode button.<br>2. Adjust the IFT to obtain minimum distortion (total harmonic distortion (THD): 3% or less).<br>3. Adjust the distance between windings of antenna coil to obtain minimum distortion.<br>4. Set the frequency of the Signal Generator to 90 MHz/106 MHz and check that the THD is 3% or less. |

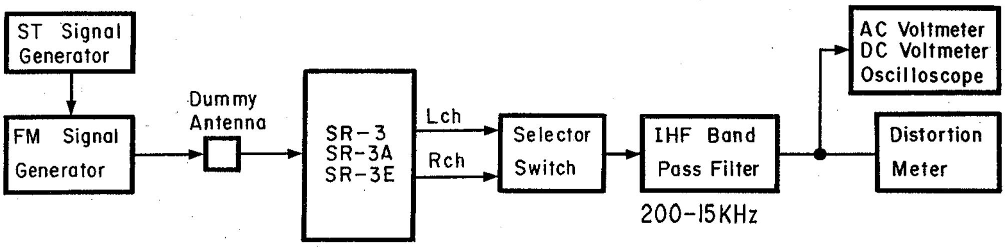


Fig. 3.1

| STEP | ITEM | OUTPUT CONNECTION | MODE | ADJUST-MENT | REMARKS |
|---|---|---|---|---|---|
| 3 | Center Voltage and THD Adjustment | DC Voltmeter between TP1-1 & TP1-2 on Main P.C.B. and Distortion Meter to Tape 1 Record Jacks | Stereo Receiver<br>Same as above<br><br>Signal Generator<br>Freq. - 98 MHz<br>RF Level<br>- 65 dBf<br>Modulation<br>- Mono | Main P.C.B.<br>L301<br>L302 | 1. Set the Stereo Receiver to Manual mode.<br>2. Adjust L301 so that the reading on the DC voltmeter is 0 V ±20 mV.<br>3. Adjust L302 to obtain minimum distortion (THD: 0.07% or less).<br>Repeat 2 and 3, if necessary. |
| 4 | Muting Level Adjustment | Oscilloscope to Tape 1 Record Output Jacks | Stereo Receiver<br>Same as above<br><br>Signal Generator<br>Freq. - 98 MHz<br>RF Level<br>- 30 dBf<br>Modulation<br>- Stereo | Main P.C.B.<br>VR302 | 1. Set the Stereo Receiver to Auto mode.<br>2. Rotate VR302 fully counterclockwise. Then, return it clockwise gradually until a waveform appears on the oscilloscope.<br>3. Decrease the RF level of the Signal Generator until the waveform on the oscilloscope disappears. Then increase the RF level gradually until a waveform appears again. At this point, check that the RF level of the Signal Generator is 30 dBf ±3 dB. |
| 5 | Signal Strength Meter Level Adjustment | None | Stereo Receiver<br>Same as above<br><br>Signal Generator<br>Freq. - 98 MHz<br>RF Level<br>- 56 dBf<br>Modulation<br>- Stereo | Main P.C.B.<br>VR301 | 1. Set the Stereo Receiver to Auto mode.<br>2. Adjust VR301 so that all segments (1-5) of the signal strength meter light up.<br>3. Decrease the RF level of the Signal Generator to distinguish the segment 5. Next, increase the RF level gradually so that the segment 5 starts illuminating. At this point, check that the RF level of the Signal Generator is 56 dBf ±2 dB. |
| 6 | Stereo Separation Adjustment | AC Voltmeter to Tape 1 Record Output Jacks | Stereo Receiver<br>Same as above<br><br>Signal Generator<br>Freq. - 98 MHz<br>RF Level<br>- 65 dBf<br>Modulation<br>- L or R only | Main P.C.B.<br>VR351<br><br>Band Selector P.C.B.<br>VR352<br>(Other only) | **Except for Other version:**<br>1. Set the Stereo Receiver to Auto mode.<br>2. Apply modulation to only L channel.<br>3. Adjust VR351 to obtain minimum reading on the AC voltmeter at the R channel output jack.<br>4. Apply modulation to only R channel.<br>5. Check that the reading on the AC voltmeter at the L channel output jack is within ±1 dB with respect to the reading in 3.<br>If not, repeat 2 through 4.<br><br>**For Other version:**<br>1. Set the switches on the rear panel as follows:<br>Freq. Step FM/AM - 100 kHz/10 kHz<br>IF Band - Wide<br>2. Adjust VR351 by applying the same procedures as mentioned above.<br>3. Set the switches as follows:<br>Freq. Step FM/AM - 50 kHz/9 kHz<br>IF Band - Narrow<br>4. Apply the same procedures as mentioned above, except for VR352. |

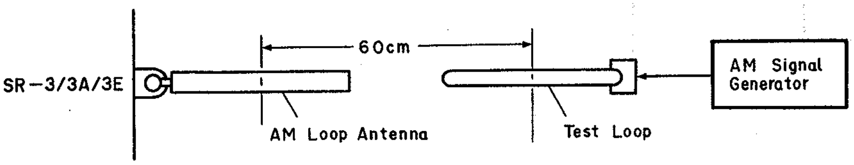


Fig. 3.2

| STEP | ITEM | OUTPUT CONNECTION | MODE | ADJUST-MENT | REMARKS |
|---|---|---|---|---|---|
| 7 | Stereo/Mono Selection Check and THD Adjustment | | Stereo Receiver<br>Same as above<br>Signal Generator<br>Freq. - 98 MHz<br>RF Level<br>- 65 dBf<br>Modulation<br>- Stereo/Mono | Main P.C.B.<br>CT332 | 1. Set the Stereo Generator to L=-R mode.<br>2. Set the Stereo Receiver to Manual mode and check that the Stereo indicator goes out and stereo outputs disappear.<br>3. Set the Stereo Receiver to Auto mode and adjust CT332 to obtain minimum distortion (THD: 0.09% or less). |

### 3.2.2. AM Tuner Section

Note: Frequencies for Europe, Germany, Australia and Other (Narrow) are indicated in parentheses.

| STEP | ITEM | OUTPUT CONNECTION | MODE | ADJUST-MENT | REMARKS |
|---|---|---|---|---|---|
| 1 | Tuning Level Adjustment | DC Voltmeter between TP3-1 and TP3-2 on Main P.C.B. | Stereo Receiver<br>Input Selector<br>-Tuner<br>Band Selector<br>- AM<br>Tape Monitor<br>- Source<br>Signal Generator<br>Freq. -<br>520 (522) kHz/<br>1710 (1611) kHz | Main P.C.B.<br>L501<br>CT526 | 1. Set the frequency of the Signal Generator to 520 kHz (522 kHz) and make tuning.<br>2. Adjust L501 to obtain 1.4 V ±0.02 V on the DC voltmeter.<br>3. Change the frequency to 1710 kHz (1611 kHz) and make tuning.<br>4. Adjust CT526 to obtain 22 V ±0.2 V on the DC voltmeter.<br>5. If satisfactory results are not obtained, repeat 1 through 4. |
| 2 | Tracking and IF Adjustment | AC Voltmeter to Tape 1 Record Output Jacks | Stereo Generator<br>Same as above<br>Signal Generator<br>Freq. -<br>600 (603) kHz/<br>1400 (1404) kHz<br>RF Level<br>- 82 dBμ/m<br>Modulation<br>- 400 Hz<br>30% | Main P.C.B.<br>L502<br>L503<br>L504<br>CT527 | 1. Set the measurement instruments as shown in Fig. 3.2. Set the distance between the AM Loop Antenna of the SR-3/3A/3E and a test loop to 60 cm. To obtain 56 dBμ/m at the AM Loop Antenna, set the RF level output of the AM Signal Generator to 82 dBμ/m as loss is 26 dBμ/m in this setting.<br>2. Set the frequency of the Signal Generator to 600 kHz (603 kHz) and make tuning.<br>3. Adjust L502 to obtain maximum reading on the AC voltmeter.<br>4. Adjust L503 to obtain maximum reading on the AC voltmeter.<br>5. Adjust L504 to obtain maximum reading on the AC voltmeter.<br>6. Set the frequency to 1400 kHz (1404 kHz) and make tuning.<br>7. Adjust CT527 to obtain maximum reading on the AC voltmeter.<br>8. Repeat 2 through 7 once. |
| 3 | Signal Strength Meter Level Adjustment | None | Stereo Generator<br>Same as above<br>Signal Generator<br>Freq. -<br>1000 (999) kHz<br>RF Level<br>- 106 dBμ/m | Main P.C.B.<br>VR501 | 1. With the same setting as in Step 2, set the RF level output of the AM Signal Generator to 106 dBμ/m in order to obtain 80 dBμ/m at the AM Loop Antenna.<br>2. Adjust VR501 so that the segment 5 of the signal strength meter starts illuminating.<br>Note: Before adjustment, select AM mode and wait for more than three minutes. |

## 4. MECHANISM ASS'Y AND PARTS LIST

### 4.1. Synthesis

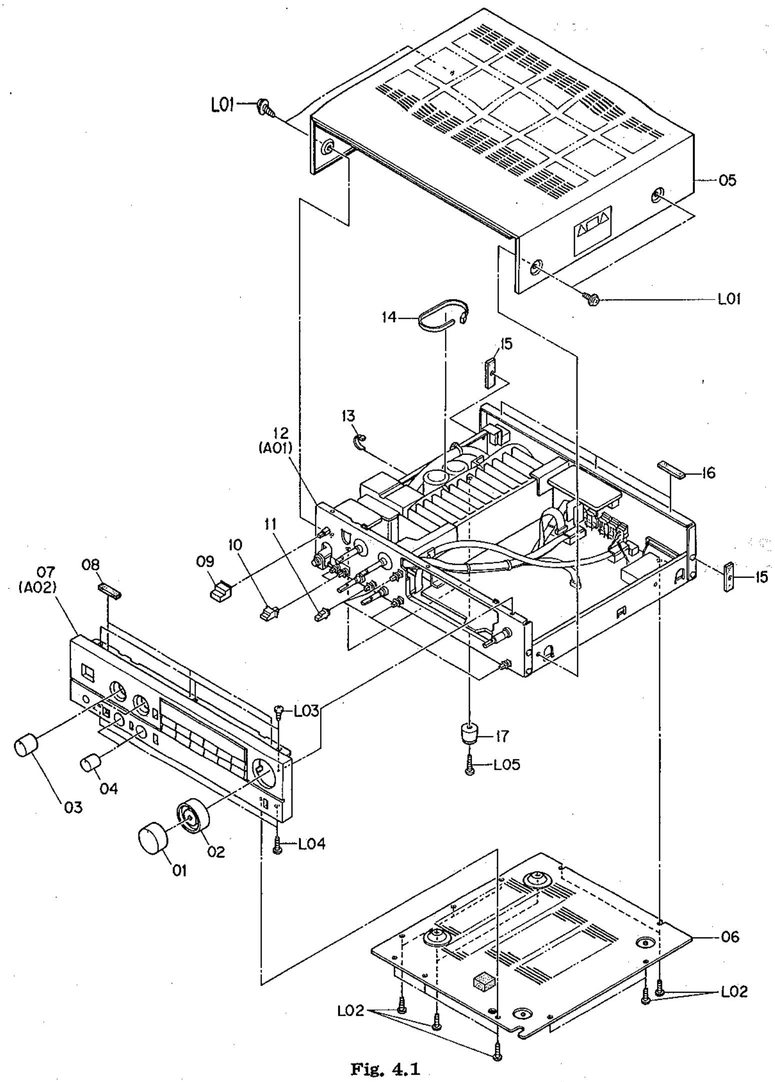


Fig. 4.1

| Schematic Ref. No. | Part No. | Description | Q'ty |
|---|---|---|---|
|  |  | Synthesis |  |
|  |  | Serial No.: D10501001 - |  |
| 01 | HA05103A | Volume Knob Ass'y | 1 |
| 02 | HA05104A | Balance Knob Ass'y | 1 |
| 03 | HA05105A | Selector Knob Ass'y | 2 |
| 04 | HA05106A | Tone Control Knob Ass'y | 2 |
| 05 | HA05149A | Top Cover Ass'y (SR-3 (Canada & Australia), SR-3A & SR-3E (Europe)) | 1 |
|  | HA05180A | Top Cover Ass'y (SR-3 (Other)) | 1 |
|  | HA05266A | Top Cover Ass'y (SR-3E (Germany)) | 1 |
|  |  | (Consisting of the followings:) |  |
|  | (0H04934C) | Top Cover | (1) |
|  | (0J05215B) | Power Transformer Cushion (SR-3, SR-3A & SR-3E (Europe)) | (1) |
|  | (0J05376A) | Power Transformer Cushion VDE (SR-3E (Germany)) | (1) |
|  | (0M04377B) | Caution Label | (1) |
|  | (0J05261A) | Top Cover Cushion S | (3) |
|  | (0M04811A) | Voltage Caution Sheet (SR-3 (Other)) | (1) |
|  | (0M04812A) | Voltage Caution Label (SR-3 (Other)) | (1) |
| 06 | JA04245A | Bottom Cover Ass'y (Consisting of the followings:) | 1 |
|  | (0J05203C) | Bottom Cover | (1) |
|  | (0J05162A) | Leg T-S | (2) |
|  | (0M04377B) | Caution Label | (1) |
|  | (0E00888A) | BT3x12 ⊕Binding | (2) |
|  | (0J05214A) | P.C.B. Cushion | (1) |
| 07 | HA05098A | Front Panel Ass'y (SR-3 (Canada)) | 1 |
|  | HA05099A | Front Panel Ass'y (SR-3 (Australia & Other)) | 1 |
|  | HA05101A | Front Panel Ass'y (SR-3A) | 1 |
|  | HA05100A | Front Panel Ass'y (SR-3E (Europe & Germany)) | 1 |
| 08 | 0J05364A | Top Cover Cushion T4 | 3 |
| 09 | 0H04947A | Power Switch Knob | 1 |
| 10 | 0H04950B | Push Switch Knob 10L | 2 |
| 11 | 0H04949B | Push Switch Knob 5L | 4 |
| 12 | JA04240A | Chassis Ass'y (SR-3 (Canada)) | 1 |
|  | JA04242A | Chassis Ass'y (SR-3 (Australia)) | 1 |
|  | JA04241A | Chassis Ass'y (SR-3 (Other)) | 1 |
|  | JA04244A | Chassis Ass'y (SR-3A) | 1 |
|  | JA04243A | Chassis Ass'y (SR-3E (Europe)) | 1 |
|  | JA04288A | Chassis Ass'y (SR-3E (Germany)) | 1 |
| 13 | 0B90019A | Insu-Lock SKB80 | 27 |
| 14 | 0B08515A | Insu-Lock BK-1 | 4 |
| 15 | 0J05226A | Side Cushion | 2 |
| 16 | 0J05363A | Top Cover Cushion T3 | 3 |
| 17 | 0J05162A | Leg T-S | 2 |
| L01 | 0E03032A | BT4x8 ⊕Pan Washer-faced (Black Chromate) | 4 |
| L02 | 0E00868A | BT3x8 ⊕Binding | 12 |
| L03 | 0E00857A | BT3x6 ⊕Binding | 3 |
| L04 | 0E00921A | BT3x8 ⊕Binding (Black Chromate) | 2 |
| L05 | 0E00888A | BT3x12 ⊕Binding | 2 |

## 4.2. Chassis Ass'y (A01)

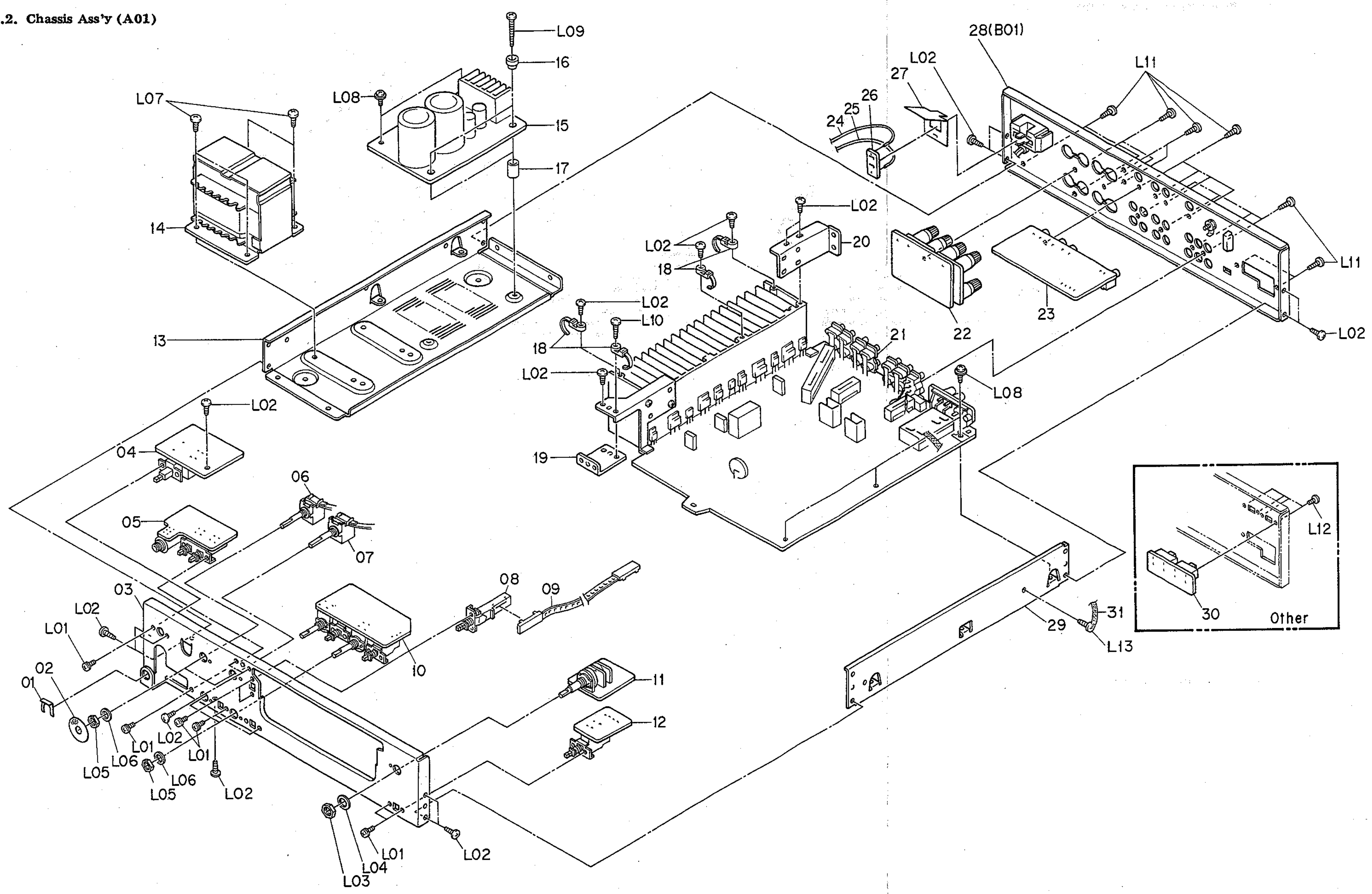


Fig. 4.2

| Schematic Ref. No. | Part No. | Description | Q'ty |
|---|---|---|---|
| A01 | JA04240A | Chassis Ass'y (SR-3 (Canada)) | 1 |
| | JA04242A | Chassis Ass'y (SR-3 (Australia)) | 1 |
| | JA04241A | Chassis Ass'y (SR-3 (Other)) | 1 |
| | JA04244A | Chassis Ass'y (SR-3A) | 1 |
| | JA04243A | Chassis Ass'y (SR-3E (Europe)) | 1 |
| | JA04288A | Chassis Ass'y (SR-3E (Germany))<br>Serial No.: D10501001 - | 1 |
| 01 | 0J05092A | Snap Plate | 1 |
| 02 | 0J05258B | Selector Knob Himelon | 2 |
| 03 | 0J05200C | Front Chassis | 1 |
| 04 | BA06380A | Power Switch P.C.B. Ass'y (SR-3 (Canada) & SR-3A) | 1 |
| | BA06252A | Power Switch P.C.B. Ass'y (SR-3 (Australia & Other)) | 1 |
| | BA06251A | Power Switch P.C.B. Ass'y (SR-3E (Europe)) | 1 |
| | BA06821A | Power Switch P.C.B Ass'y (SR-3E (Germany)) | 1 |
| 05 | BA06254A | Speaker Switch P.C.B. Ass'y | 1 |
| 06 | 0B70081A | Rotary Switch Controller 6-5 | 1 |
| 07 | 0B70080A | Rotary Switch Controller 4-4 | 1 |
| 08 | 0B70084A | Push Switch Controller | 1 |
| 09 | 0B70085A | Push Switch Wire | 1 |
| 10 | BA06245A | Tone Control P.C.B. Ass'y (SR-3, SR-3A & SR-3E (Europe)) | 1 |
| | BA06827A | Tone Control P.C.B. Ass'y (SR-3E (Germany)) | 1 |
| 11 | BA06243A | Volume P.C B. Ass'y | 1 |
| 12 | BA06290A | Loudness Switch P.C.B Ass'y | 1 |
| 13 | 0J05201C | Power Supply Chassis | 1 |
| 14 | 0B50075A | Power Transformer (SR-3 (Canada) & SR-3A) | 1 |
| | 0B50076A | Power Transformer (SR-3 (Australia) & SR-3E (Europe)) | 1 |
| | 0B50077A | Power Transformer (SR-3 (Other)) | 1 |
| | 0B50091A | Power Transformer (SR-3E (Germany)) | 1 |
| 15 | BA06248A | Power Supply P.C.B. Ass'y (SR-3 (Canada & Other) & SR-3A) | 1 |
| | BA06249A | Power Supply P.C.B. Ass'y (SR-3 (Australia) & SR-3E (Europe)) | 1 |
| | BA06828A | Power Supply P.C.B. Ass'y (SR-3E (Germany)) | 1 |
| 16 | 0J05019A | Collar Bushing 10mm | 2 |
| 17 | 0J05208A | Collar Bushing 15mm | 2 |
| 18 | 0B90210A | Insu-Lock T30MR-HS | 4 |
| 19 | 0J05206A | Heat Sink Holder B | 1 |
| 20 | 0J05204B | Heat Sink Holder C | 1 |
| 21 | BA06237A | Main P.C.B. Ass'y (SR-3 (Canada) & SR-3A) | 1 |
| | BA06310A | Main P.C.B. Ass'y (SR-3 (Australia)) | 1 |
| | BA06239A | Main P.C B. Ass'y (SR-3 (Other)) | 1 |
| | BA06238A | Main P.C.B. Ass'y (SR-3E (Europe)) | 1 |
| | BA06825A | Main P.C B. Ass'y (SR-3E (Germany)) | 1 |
| 22 | BA06283A | Speaker Terminal P.C.B. Ass'y (SR-3, SR-3A & SR-3E (Europe)) | 1 |
| | BA06822A | Speaker Terminal P.C.B. Ass'y (SR-3E (Germany)) | 1 |
| 23 | BA06257A | Video Amp. P.C.B. Ass'y (SR-3 & SR-3A) | 1 |
| | BA06850A | Video Amp. P.C.B. Ass'y (SR-3E (Europe)) | 1 |
| | BA06830A | Video Amp. P.C.B. Ass'y (SR-3E (Germany)) | 1 |
| 24 | 0B82759A | PD Connector (BLK) (SR-3 (Canada & Other) & SR-3A) | 1 |
| 25 | 0B82758A | PD Connector (BRN) (SR-3 (Canada & Other) & SR-3A) | 1 |
| 26 | 0B60388A | AC Outlet P.C.B. (SR-3 (Canada & Other) & SR-3A) | 1 |
| 27 | 0J05224A | Insulator (SR-3 (Canada)) | 1 |
| 28 | HA05089A | Rear Panel Ass'y (SR-3 (Canada)) | 1 |
| | HA05091A | Rear Panel Ass'y (SR-3 (Australia)) | 1 |
| | HA05090A | Rear Panel Ass'y (SR-3 (Other)) | 1 |
| | HA05093A | Rear Panel Ass'y (SR-3A) | 1 |
| | HA05092A | Rear Panel Ass'y (SR-3E (Europe & Germany)) | 1 |
| 29 | 0J05202C | Side Chassis | 1 |
| 30 | BA06308A | Band Selector P.C.B. Ass'y (SR-3 (Other)) | 1 |
| 31 | 0B81738A | Ground Wire (SR-3E (Germany)) | 1 |
| L01 | 0E00612A | M3x6 ⊕Pan (2A) | 9 |
| L02 | 0E00868A | BT3x8 ⊕Binding | 18 |
| L03 | — | Nut M9 | (1) |
| L04 | — | Washer | (1) |
| L05 | — | Nut M7 | (4) |
| L06 | — | Washer | (4) |
| L07 | 0E03217A | BT4x8 ⊕Binding | 4 |
| L08 | 0E03157A | BT3x8 ⊕Binding with Washer | 5 |
| L09 | 0E03071A | BT3x25 ⊕Binding | 2 |
| L10 | 0E00888A | BT3x12 ⊕Binding | 1 |
| L11 | 0E00921A | BT3x8 ⊕Binding (Black Chromate) | 16 |
| L12 | 0E00945A | M2.6x4 ⊕Binding (Black Chromate) (SR-3 (Other)) | 4 |
| L13 | 0E03321A | ST3x6 ⊕Binding (SR-3E (Germany)) | 1 |

## 4.3. Front Panel Ass'y (A02)

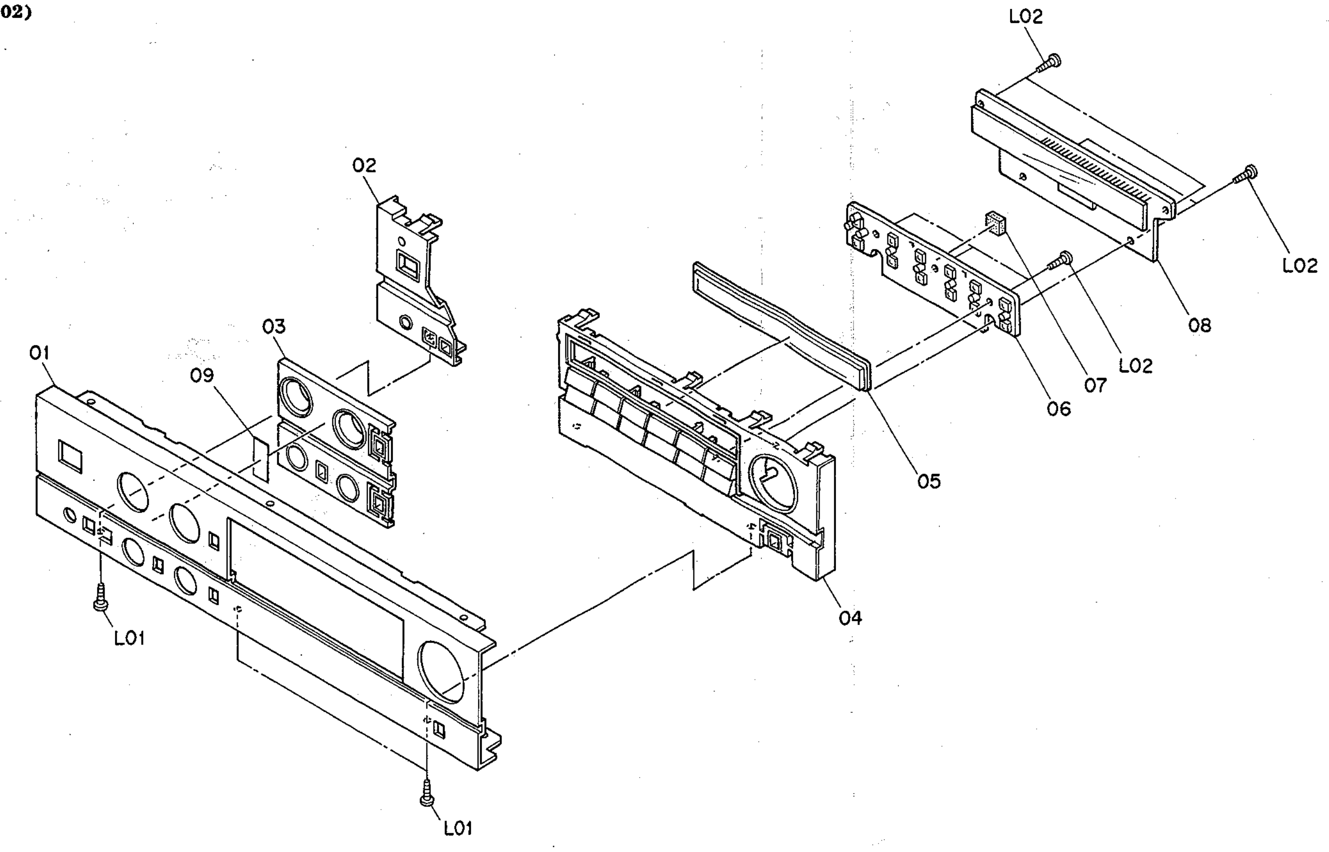


Fig. 4.3

## 4.4. Rear Panel Ass'y (B01)

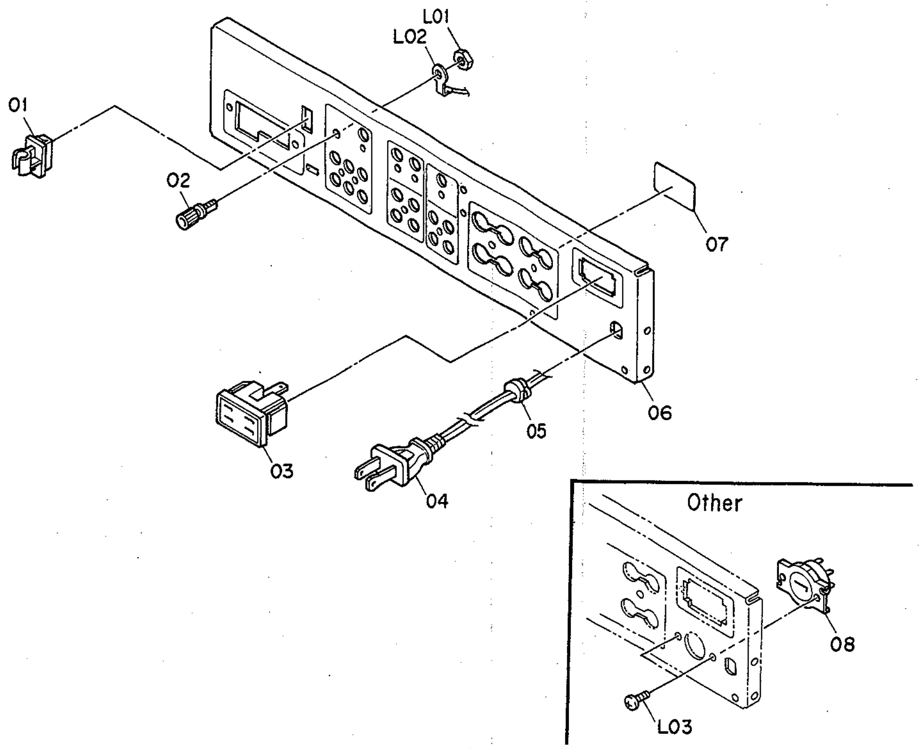


Fig. 4.4

| Schematic Ref. No. | Part No. | Description | Q'ty |
|---|---|---|---|
| A02 | HA05098A | Front Panel Ass'y (SR-3 (Canada)) | 1 |
|  | HA05099A | Front Panel Ass'y (SR-3 (Australia & Other)) | 1 |
|  | HA05101A | Front Panel Ass'y (SR-3A) | 1 |
|  | HA05100A | Front Panel Ass'y (SR-3E (Europe & Germany)) | 1 |
|  |  | Serial No.: D10501001 - |  |
| 01 | 0H04924B | Front Panel (SR-3) | 1 |
|  | 0H04923B | Front Panel (SR-3A) | 1 |
|  | 0H04925A | Front Panel (SR-3E) | 1 |
| 02 | 0H04935C | Front Escutcheon L | 1 |
| 03 | 0H04936A | Front Escutcheon C | 1 |
| 04 | HA05102B | Front Escutcheon R Ass'y | 1 |
| 05 | 0H04938A | Display Lens | 1 |
| 06 | BA06242A | Control Switch P.C.B. Ass'y | 1 |
| 07 | 0J05262A | Indicator Cushion | 1 |
| 08 | BA06240A | Display P.C.B. Ass'y (SR-3 (Canada) & SR-3A) | 1 |
|  | BA06241A | Display P.C.B. Ass'y (SR-3 (Australia & Other) & SR-3E (Europe & Germany)) | 1 |
| L01 | 0E00921A | BT3x8 ⊕ Binding (Black Chromate) | 3 |
| L02 | 0E00868A | BT3x8 ⊕ Binding | 7 |
| B01 | HA05089A | Rear Panel Ass'y (SR-3 (Canada)) | 1 |
|  | HA05091A | Rear Panel Ass'y (SR-3 (Australia)) | 1 |
|  | HA05090A | Rear Panel Ass'y (SR-3 (Other)) | 1 |
|  | HA05093A | Rear Panel Ass'y (SR-3A) | 1 |
|  | HA05092A | Rear Panel Ass'y (SR-3E (Europe & Germany)) | 1 |
|  |  | Serial No.: D10501001 - |  |
| 01 | 0B90071A | AM Loop Antenna Holder | 1 |
| 02 | 0B81604A | Ground Terminal T-5435 | 1 |
| 03 | 0B81597A | AC Outlet 2P (SR-3 (Canada & Other) & SR-3A) | 1 |
| 04 | 0B90205A | Power Cord (SR-3 (Canada & Other) & SR-3A) | 1 |
|  | 0B05241A | Power Cord (SR-3 (Australia)) | 1 |
|  | 0B08093U | Power Cord (SR-3E (Europe & Germany)) | 1 |
| 05 | 0B08351A | Cord Bushing 4K-4 (SR-3 (Canada & Other) & SR-3A) | 1 |
|  | 0B08037U | Cord Bushing C (SR-3 (Australia & SR-3E (Europe & Germany)) | 1 |
| 06 | 0H04931B | Rear Panel (SR-3 (Canada)) | 1 |
|  | 0H04965B | Rear Panel (SR-3 (Australia)) | 1 |
|  | 0H04933B | Rear Panel (SR-3 (Other)) | 1 |
|  | 0H04930B | Rear Panel (SR-3A) | 1 |
|  | 0H04932A | Rear Panel (SR-3E (Europe & Germany)) | 1 |
| 07 | 0M04380A | Barrier Caution Label (SR-3 (Canada) & SR-3A) | 1 |
| 08 | 0B70049A | Voltage Selector (SR-3 (Other)) | 1 |
| L01 | — | Nut (Ground Terminal) | (1) |
| L02 | — | Earth Lug (Ground Terminal) | (1) |
| L03 | 0E00985A | M3x6 ⊕ Binding (Black Chromate) (SR-3 (Other)) | 2 |

## 5. MOUNTING DIAGRAMS AND PARTS LIST

Notes:
1. Mounting diagram shows a dip side view of the printed circuit board.
2. Diode is 1SS53, 1S1555, or 1SS176 unless otherwise specified.
3. Following transistors are interchangeable with each other.
   - a. 2SA733, 2SA608SP, 2SA1048, 2SA1175
   - b. 2SC945, 2SC536SP, 2SC2458, 2SC2785
4. Abbreviation for part name:
   TR — Transistor, SiD — Silicon Diode, ZD — Zener Diode, Varicap — Variable Capacitance Diode
   RK — Carbon Resistor, RM — Metal Film Resistor, RF — Fail Safe Type Resistor, RC — Cement Resistor
   CE — Electrolytic Capacitor, CM — Mylar Capacitor, CC — Ceramic Capacitor, CP — PP Capacitor,
   CMM — Metalized Mylar Capacitor, CSP — Polystyrene Capacitor, C — Mica Capacitor

### 5.1. Power Switch P.C.B. Ass'y

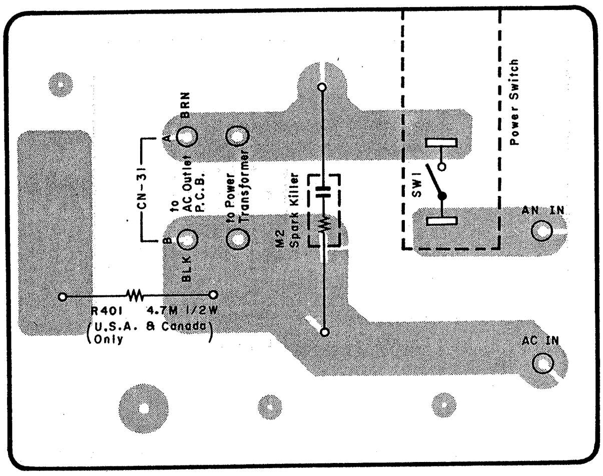

CN-31
A
BRN
B
BLK
to AC Outlet P.C.B.
to Power Transformer
M2 Spark Killer
SW1
Power Switch
AN IN
AC IN
R401 4.7M 1/2W
(U.S.A. & Canada Only)

Fig. 5.1

### 5.2. AC Outlet P.C.B. Ass'y

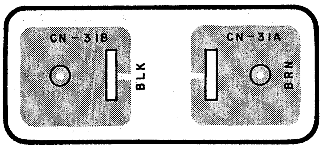

CN-31B
BLK
CN-31A
BRN

Fig. 5.2

### 5.3. Band Selector P.C.B. Ass'y

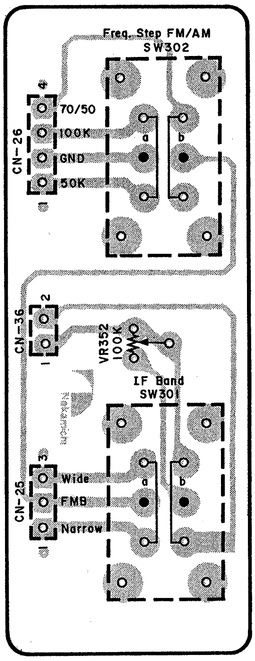

Freq. Step FM/AM
SW302
CN-26
4
1
70/50
100K
GND
50K
a
b
CN-36
2
1
VR352
100K
IF Band
SW301
CN-25
3
1
Wide
FMB
Narrow

Fig. 5.3.1 2nd Version

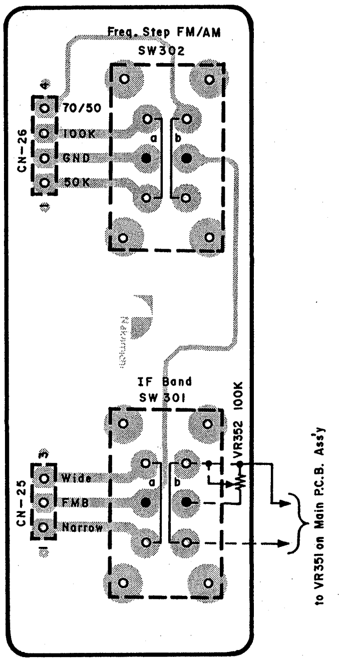

Freq. Step FM/AM
SW302
CN-26
4
1
70/50
100K
GND
50K
a
b
IF Band
SW301
VR352 100K
CN-25
3
1
Wide
FMB
Narrow
to VR351 on Main P.C.B. Ass'y

Fig. 5.3.2 1st Version

| Schematic Ref. No. | Part No. | Description | Schematic Ref. No. | Part No. | Description |
|---|---|---|---|---|---|
| | BA06380A | Power Switch P.C.B. Ass'y (SR-3 (Canada) & SR-3A) | | 0B90264A | Spark Killer XE-333 (SR-3E (Europe & Germany)) |
| | BA06252A | Power Switch P.C.B. Ass'y (SR-3 (Australia & Other)) | | 0E00752A | Eyelet 2x3 (2) |
| | BA06251A | Power Switch P.C.B. Ass'y (SR-3E (Europe)) | | 0E00147A | Earth Lug B-6 (SR-3 (Canada) & SR-3A) (1) |
| | BA06821A | Power Switch P.C.B. Ass'y (SR-3E (Germany)) | | BA06255A | AC Outlet P.C.B. Ass'y (SR-3 (Canada & Other) & SR-3A) |
| | 0B60387B | Power Switch P.C.B. | | 0B60388A | AC Outlet P.C.B. |
| R401 | 0B20057A | RK 4.7M 1/2W J (SR-3 (Canada) & SR-3A) | CN31A | 0B82758A | PD Connector V450 |
| SW1 | 0B71005A | Power Switch (SR-3 (Canada) & SR-3A) | CN31B | 0B82759A | PD Connector V450 |
| | 0B71006A | Power Switch (SR-3 (Australia & Other) & SR-3E (Europe & Germany)) | | BA06308A | Band Selector P.C.B. Ass'y (SR-3 (Other)) |
| M2 | 0B08342A | Spark Killer (SR-3 (Canada) & SR-3A) | | 0B60378B | Band Selector P.C.B. |
| | 0B08240A | Spark Killer (SR-3 (Australia & Other)) | VR352 | 0B32099A | Semi VR 100K |
| | | | SW301,302 | 0B70039A | Slide Switch 22S |
| | | | CN25 | 0B82804A | 3P Connector 160 |
| | | | CN26 | 0B82805A | 4P Connector 200 |
| | | | CN36 | 0B82905A | 2P Connector S200 |

### 5.4. Volume P.C.B. Ass'y

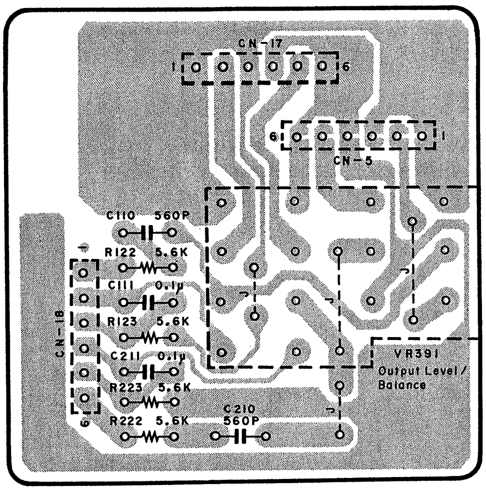


Fig. 5.4

### 5.5. Loudness Switch P.C.B. Ass'y

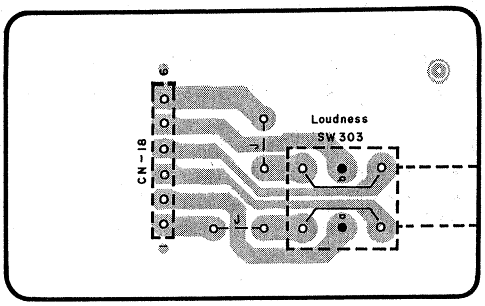


Fig. 5.5.1 2nd Version

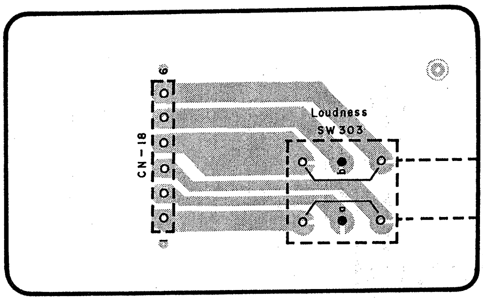


Fig. 5.5.2 1st Version

| Schematic Ref. No. | Part No. | Description |
|---|---|---|
| | BA06243A | Volume P.C.B. Ass'y |
| | 0B60383B | Volume P.C.B. |
| VR391 | 0B30061A | VR RK1612420 |
| R122,123 222,223 | 0B09695A | RK 5.6K 1/6W J |
| C110,210 | 0B41219A | CP 560P 100V J |
| C111,211 | 0B01780A | CM 0.1μ 50V J |
| CN5,17 18 | 0B81013A | Dip Mate 6P WH6D-1 |
| | BA06290A | Loudness Switch P.C.B. Ass'y |
| | 0B60390B | Loudness Switch P.C.B. |
| SW303 | 0B70074A | Push Switch 1 Key |
| CN18 | 0B81013A | Dip Mate 6P WH6D-1 |
| CN18 | 0B82736A | Ribbon Cable 6P 110mm |
| | BA06254A | Speaker Switch P.C.B. Ass'y |
| | 0B60385C | Speaker Switch P.C.B. |
| R742,842 | 0B24105A | RF 330 2W J |
| CN23A | 0B82744B | PD Connector V600 |
| CN23B | 0B82745B | PD Connector V720 |
| CN33 | 0B82760A | PD Connector V350 |
| | 0B70075A | Push Switch 2 Key (1) |
| | 0B81478A | Headphone Jack (1) |
| | BA06245A | Tone Control P.C.B. Ass'y (SR-3, SR-3A & SR-3E (Europe)) |
| | BA06827A | Tone Control P.C.B. Ass'y (SR-3E (Germany)) |
| | — Line Amp. — | |
| Q105,106 205,206 | 0B10193A | FET 2SK184 (GR) |
| Q107,207 411 | 0B10050A | TR 2SA970 (BL) |
| Q108,208 410 | 0B06142A | TR 2SC2240 (BL) |
| ZD102,202 | 0B12150A | ZD 5.6V RD5.6JS-T1B2 |
| ZD402 | 0B12174A | ZD 12V RD12JS-T1B2 |
| R124,132 224,232 | 0B22229A | RM 1.00K 1/6W F |
| R125,225 | 0B22315A | RM 5.62K 1/6W F |
| R126,226 | 0B22371A | RM 18.2K 1/6W F |
| R127,227 | 0B22265A | RM 2.20K 1/6W F |
| R128,228 | 0B22347A | RM 11.0K 1/6W F |
| R129,229 | 0B09673A | RK 680 1/6W J |
| R130,230 | 0B09679A | RK 1.2K 1/6W J |
| R131,231 | 0B09695A | RK 5.6K 1/6W J |
| R162,262 | 0B22515A | RM 332K 1/6W F |
| R410 | 0B09677A | RK 1K 1/6W J |
| R420 | 0B09665A | RK 330 1/6W J |
| R421 | 0B09685A | RK 2.2K 1/6W J |
| C112,212 | 0B41703A | CSP 100P 50V J (SR-3, SR-3A & SR-3E (Europe)) |
| | 0B41704A | CSP 330P 50V J (SR-3E (Germany)) |
| | — Tone Amp. — | |
| IC393 | 0B11070A | IC NJM072S |
| VR392 | 0B30062A | VR 100K (B)x2 |
| VR393 | 0B30063A | VR 500K (B)x2 |
| R134,234 | 0B09725A | RK 100K 1/6W J |
| R135-138 235-238 | 0B09715A | RK 39K 1/6W J (8) |
| R139,239 | 0B09723A | RK 82K 1/6W J |
| C113,119 213,219 | 0B09816A | CE 10μ 16V (LN) |
| C114,214 | 0B09242A | C 47P 50V J |
| C115,215 | 0B09302A | C 100P 50V J |
| C116,216 | 0B05583A | CM 0.033μ 50V J |
| SW304 | 0B70074A | Push Switch 1 Key |
| | — Subsonic Filter — | |
| R411 | 0B09735A | RK 270K 1/6W J |
| C391 | 0B41298A | CMM 0.1μ 50V J |
| SW308 | 0B70074A | Push Switch 1 Key |
| | — Miscellaneous — | |
| | 0B60382B | Tone Control P.C.B. |
| C027,028 | 0B41803A | C 470P 50V J (SR-3E (Germany)) |
| CN3 | 0B82793A | 3P Connector 500 |
| CN4 | 0B82794A | 4P Connector 500 |
| CN6,17 19,19 | 0B81013A | Dip Mate 6P WH6D-1 |
| CN20,20 | 0B81010A | Dip Mate 3P WH3D-1 |
| AJ | 0B82040B | PD Connector V050 |
| BJ | 0B82041B | PD Connector V050 |
| | 0B82734B | Ribbon Cable 6P 500mm (1) |
| | 0B82735B | Ribbon Cable 6P 320mm (1) |
| | 0B82737B | Ribbon Cable 6P 120mm (1) |
| | 0B82738B | Ribbon Cable 3P 140mm (1) |

## 5.6. Speaker Switch P.C.B. Ass'y

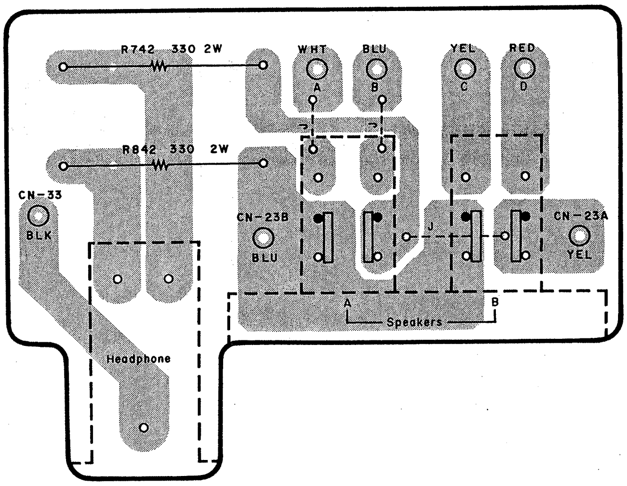

R742 330 2W
R842 330 2W
WHT
BLU
YEL
RED
A
B
C
D
CN-33
BLK
CN-23B
BLU
CN-23A
YEL
J
Speakers
Headphone

Fig. 5.6

## 5.7. Tone Control P.C.B. Ass'y

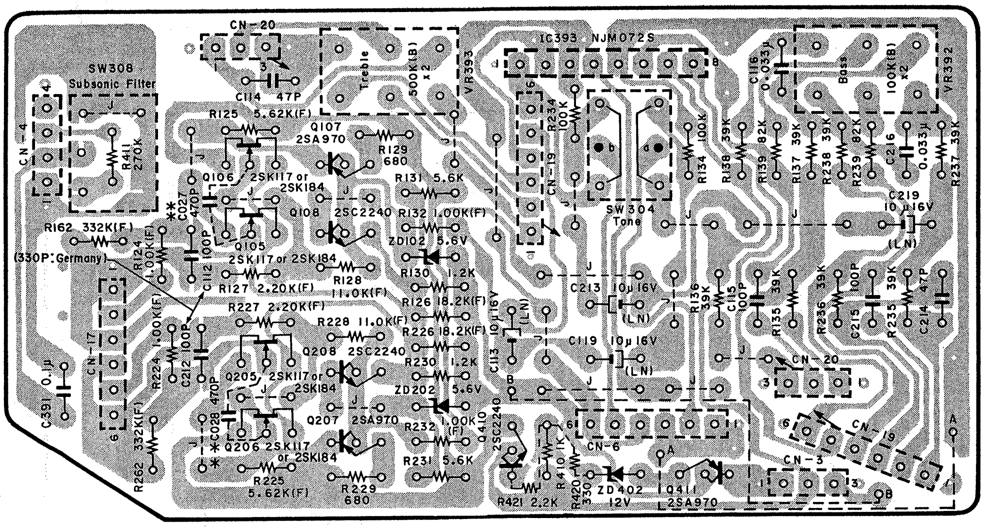

CN-20
SW308
Subsonic Filter
CN-4
R411 270K
C114 47P
Treble
500K(B) x2
VR393
IC393 NJM072S
C116 0.033μ
Bass
100K(B) x2
VR392
R125 5.62K(F)
Q107 2SA970
R129 680
Q106 2SK117 or 2SK184
R131 5.6K
Q108 2SC2240
R132 1.00K(F)
ZD102 5.6V
Q105 2SK117 or 2SK184
R130 1.2K
R162 332K(F)
(330P: Germany)
R124 1.00K(F)
C027 470P
C112 100P
R127 2.20K(F)
R128 11.0K(F)
R126 18.2K(F)
R227 2.20K(F)
R228 11.0K(F)
R226 18.2K(F)
Q208 2SC2240
R230 1.2K
ZD202 5.6V
Q205 2SK117 or 2SK184
C028 470P
Q207 2SA970
R232 1.00K(F)
Q206 2SK117 or 2SK184
R231 5.6K
R225 5.62K(F)
R229 680
R224 1.00K(F)
C212 100P
CN-17
C391 0.1μ
R262 332K(F)
CN-19
R234 100K
SW304 Tone
R134 100K
R138 39K
R139 82K
R137 39K
R238 39K
R239 82K
C216 0.033μ
R237 39K
C219 10μ16V (LN)
C213 10μ16V (LN)
C113 10μ16V (LN)
C119 10μ16V (LN)
R136 39K
C115 100P
R135 39K
R236 39K
C215 100P
R235 39K
C214 47P
CN-20
CN-6
CN-3
CN-19
Q410 2SC2240
R410 1K
R420 330
ZD402 12V
Q411 2SA970
R421 2.2K
A
B

Fig. 5.7.1 2nd Version **: SR-3E (Germany) only.

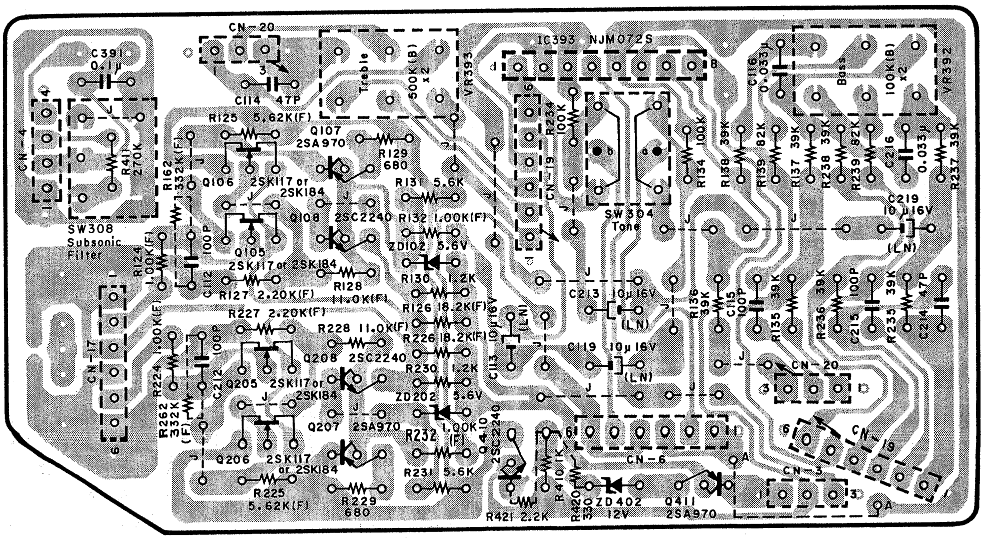

CN-20
C391 0.1μ
CN-4
R411 270K
SW308
Subsonic Filter
C114 47P
Treble
500K(B) x2
VR393
IC393 NJM072S
C116 0.033μ
Bass
100K(B) x2
VR392
R125 5.62K(F)
Q107 2SA970
R129 680
R162 332K(F)
Q106 2SK117 or 2SK184
R131 5.6K
Q108 2SC2240
R132 1.00K(F)
ZD102 5.6V
Q105 2SK117 or 2SK184
R124 1.00K(F)
C112 100P
R127 2.20K(F)
R128 11.0K(F)
R130 1.2K
R126 18.2K(F)
R227 2.20K(F)
R228 11.0K(F)
R226 18.2K(F)
Q208 2SC2240
R230 1.2K
ZD202 5.6V
Q205 2SK117 or 2SK184
Q207 2SA970
R232 1.00K(F)
Q206 2SK117 or 2SK184
R231 5.6K
R225 5.62K(F)
R229 680
R224 1.00K(F)
C212 100P
R262 332K(F)
CN-17
CN-19
R234 100K
SW304 Tone
R134 100K
R138 39K
R139 82K
R137 39K
R238 39K
R239 82K
C216 0.033μ
R237 39K
C219 10μ16V (LN)
C213 10μ16V (LN)
C113 10μ16V (LN)
C119 10μ16V (LN)
R136 39K
C115 100P
R135 39K
R236 39K
C215 100P
R235 39K
C214 47P
CN-20
CN-6
CN-3
CN-19
Q410 2SC2240
R410 1K
R420 330
ZD402 12V
Q411 2SA970
R421 2.2K
A

Fig. 5.7.2 1st Version (For SR-3 & SR-3A only)

## 5.8. Speaker Terminal P.C.B. Ass'y

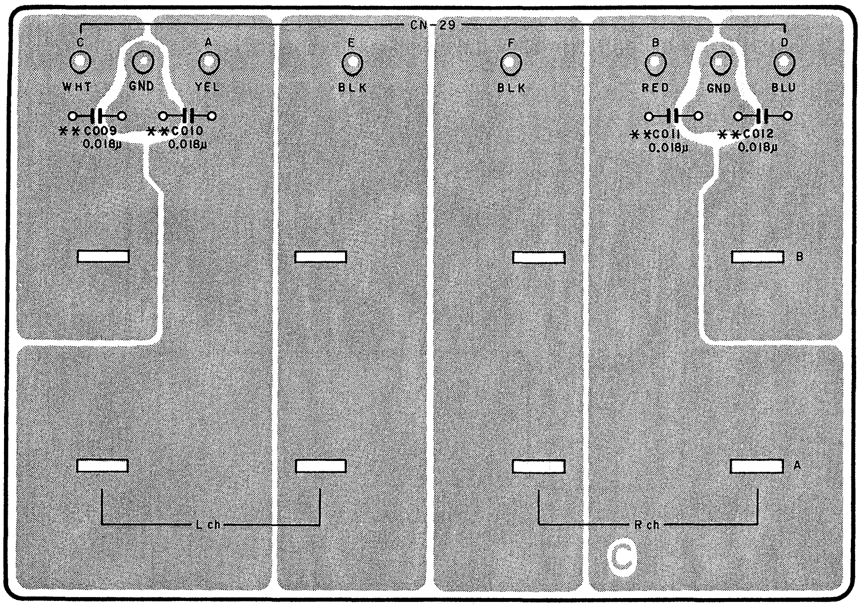

CN-29
C
A
E
F
B
D
WHT
GND
YEL
BLK
BLK
RED
GND
BLU
**C009 0.018μ
**C010 0.018μ
**C011 0.018μ
**C012 0.018μ
B
A
L ch
R ch
C

Fig. 5.8

**: SR-3E (Germany) only.

## 5.9. Power Supply P.C.B. Ass'y

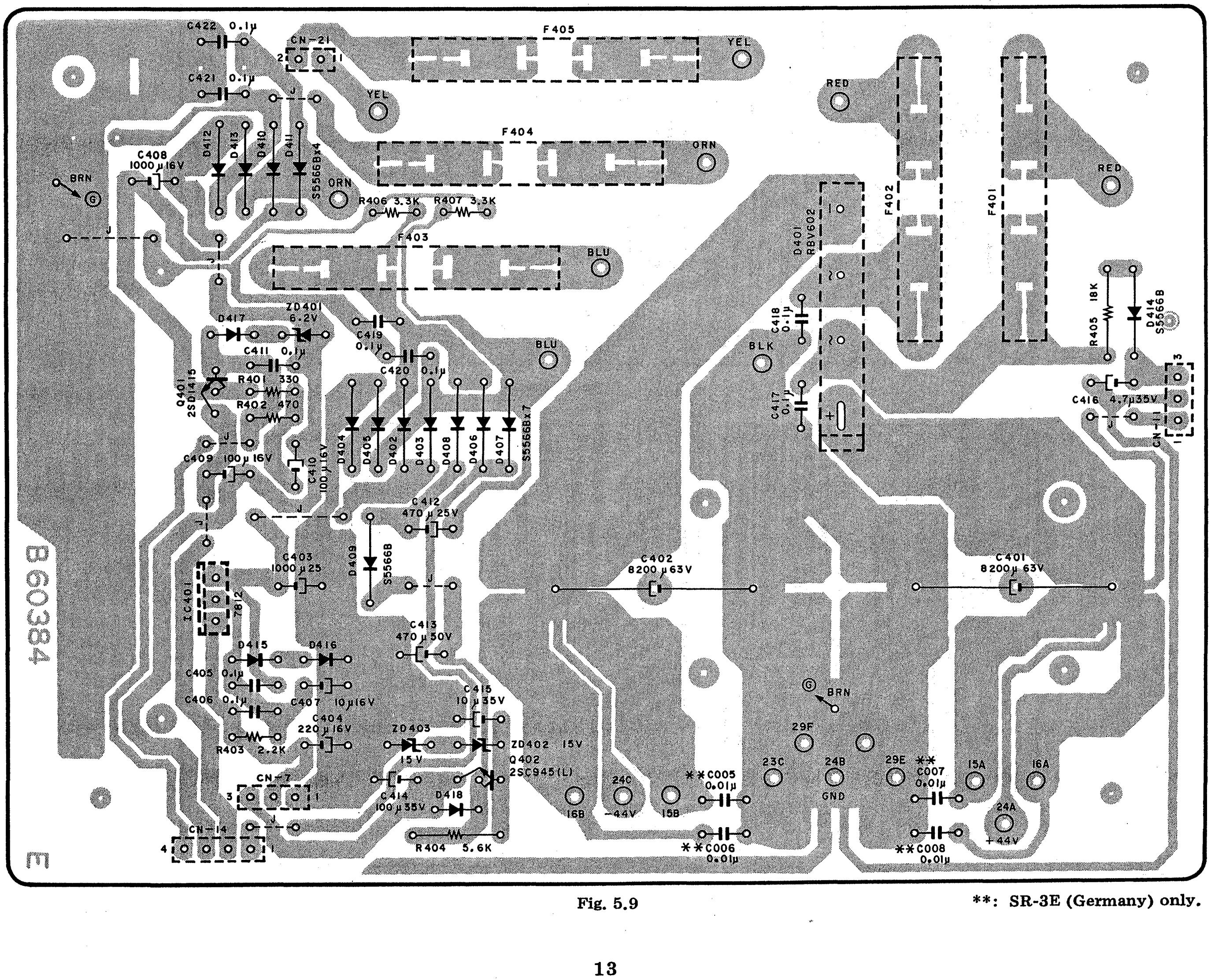

C422 0.1μ
CN-21
2
1
C421 0.1μ
F405
YEL
YEL
RED
F404
D412
D413
D410
D411
S5566Bx4
C408 1000μ16V
BRN
G
ORN
ORN
RED
R406 3.3K
R407 3.3K
J
F403
BLU
D401 RBV602
F402
F401
ZD401 6.2V
D417
C419 0.1μ
C411 0.1μ
C420 0.1μ
BLU
BLK
C418 0.1μ
C417 0.1μ
R405 18K
D414 S5566B
Q401 2SD1415
R401 330
R402 470
C409 100μ16V
C410 100μ16V
D404
D405
D402
D403
D408
D406
D407
S5566Bx7
C416 4.7μ35V
CN-11
3
1
C412 470μ25V
D409
S5566B
C403 1000μ25
IC401
7812
C402 8200μ63V
C401 8200μ63V
B60384
C413 470μ50V
D415
D416
C405 0.1μ
C406 0.1μ
C407 10μ16V
C404 220μ16V
R403 2.2K
C415 10μ35V
ZD403 15V
ZD402 15V
Q402 2SC945(L)
BRN
29F
23C
24B
GND
29E
**C007 0.01μ
15A
16A
24C
-44V
16B
15B
**C005 0.01μ
**C006 0.01μ
**C008 0.01μ
24A
+44V
C414 100μ35V
D418
R404 5.6K
CN-7
3
1
CN-14
4
1
E

Fig. 5.9

**: SR-3E (Germany) only.

| Schematic Ref. No. | Part No. | Description |
|---|---|---|
|  | BA06283A | Speaker Terminal P.C.B. Ass'y (SR-3, SR-3A & SR-3E (Europe)) |
|  | BA06822A | Speaker Terminal P.C.B. Ass'y (SR-3E (Germany)) |
|  | 0B60386C | Speaker Terminal P.C.B. |
| C009,010 011,012 | 0B41289A | CMM 0.018μ 50V J (SR-3E (Germany)) |
| CN29A | 0B82753A | PD Connector V420 |
| CN29B | 0B82754A | PD Connector V420 |
| CN29C | 0B82755A | PD Connector V420 |
| CN29D | 0B82756A | PD Connector V420 |
| CN29E,29F | 0B82757A | PD Connector V250 |
|  | 0B81595B | Speaker Terminal 8P (1) |
|  | 0B90019A | Insu-Lock SKB80 (4) |
|  | 0B83056B | Ground Wire (SR-3E (Germany) (1) |
|  | BA06248A | Power Supply P.C.B. Ass'y (SR-3 (Canada & Other) & SR-3A) |
|  | BA06249A | Power Supply P.C.B. Ass'y (SR-3 (Australia) & SR-3E (Europe)) |
|  | BA06828A | Power Supply P.C.B. Ass'y (SR-3E (Germany)) |
|  | 0B60384E | Power Supply P.C B. |
| IC401 | 0B11252A | IC AN78M12 |
| Q401 | 0B10012A | TR 2SD1415 |
| Q402 | 0B01872A | TR 2SC945L (P,Q) |
| ZD401 | 0B12153A | ZD 6.2V RD6.2JS-T1B2 |
| ZD402,403 | 0B12181A | ZD 15V RD15JS-T1B2 |
| D401 | 0B12388A | SiD RBV-602 |
| D402-414 | 0B12362A | SiD S5566B (13) |
| D415,416 417,418 | 0B06398A | SiD 1SS176 |
| R401 | 0B09665A | RK 330 1/6W J |
| R402 | 0B09669A | RK 470 1/6W J |
| R403 | 0B09685A | RK 2.2K 1/6W J |
| R404 | 0B01887A | RK 5.6K 1/4W J |
| R405 | 0B05560A | RK 18K 1/4W J |
| R406,407 | 0B09689A | RK 3.3K 1/6W J |
| C005,006 007,008 | 0B41286A | CMM 0.01μ 50V J (SR-3E (Germany)) |
| C401,402 | 0B40410A | CE 8200μ 63V |
| C403 | 0B40095A | CE 1000μ 25V |
| C404 | 0B40079A | CE 220μ 16V |
| C405,406 411,417 418-422 | 0B41298A | CMM 0.1μ 50V J (9) |
| C407 | 0B01412A | CE 10μ 16V |
| C408 | 0B40082A | CE 1000μ 16V |
| C409,410 | 0B40078A | CE 100μ 16V |
| C412 | 0B40094A | CE 470μ 25V |
| C413 | 0B40123A | CE 470μ 50V |
| C414 | 0B40104A | CE 100μ 35V |
| C415 | 0B40100A | CE 10μ 35V |
| C416 | 0B40099A | CE 4.7μ 35V |
| F401,402 | 0B08370A | Fuse 5A (SR-3 (Canada & Other) & SR-3A) |
| F401,402 | 0B08281A | Fuse T3.15A 250V (SR-3 (Australia) & SR-3E (Europe & Germany)) |
| F403,404 | 0B08374A | Fuse 1A (SR-3 (Canada & Other) & SR-3A) |
| F403 | 0B08263U | Fuse T315mA 250V (SR-3 (Australia) & SR-3E (Europe & Germany)) |
| F404 | 0B08347U | Fuse T1A 250V (SR-3 (Australia) & SR-3E (Europe & Germany)) |
| F405 | 0B08698A | Fuse 500mA (SR-3 (Canada & Other) & SR-3A) |
| F405 | 0B08252A | Fuse T250mA 250V (SR-3 (Australia) & SR-3E (Europe & Germany)) |
| CN7,11 | 0B81635A | 3P-T Post |
| CN14 | 0B81636A | 4P-T Post |
| CN15A | 0B82740B | PD Connector V400 |
| CN15B | 0B82741B | PD Connector V400 |
| CN16A | 0B82742B | PD Connector V520 |
| CN16B | 0B82743B | PD Connector V520 |
| CN21 | 0B82803A | 2P Connector |
| CN23C | 0B82746B | PD Connector V440 |
| CN24A | 0B82747B | PD Connector V300 |
| CN24B | 0B82748B | PD Connector V300 |
| CN24C | 0B82749B | PD Connector V300 |
|  | 0B08349B | Fuse Clip (SR-3 (Australia) & SR-3E (Europe & Germany)) (10) |
|  | 0M03855A | Fuse Label 5A 125Vx2 (SR-3 (Canada & Other) & SR-3A) (1) |
|  | 0M04137A | Fuse Label T250mA 250V (SR-3 (Australia) & SR-3E (Europe & Germany)) (1) |
|  | 0M04191A | Fuse Label T1A 250V (SR-3 (Australia) & SR-3E (Europe & Germany)) (1) |
|  | 0M04443A | Fuse Label T3.15A 250Vx2 (SR-3 (Australia) & SR-3E (Europe & Germany)) (1) |
|  | 0M04194A | Fuse Label T315mA 250V (SR-3 (Australia) & SR-3E (Europe & Germany)) (1) |
|  | 0E00612A | M3x6 ⊕Pan (2A) (2) |
|  | 0J05197A | Heat Sink (1) |
|  | 0E03355A | Earth Lug (1) |
|  | 0B90019A | Insu-Lock SKB80 (6) |
|  | 0B90206A | Insu-Lock SKB4M (1) |

### 5.10. Video Amp. P.C.B. Ass'y

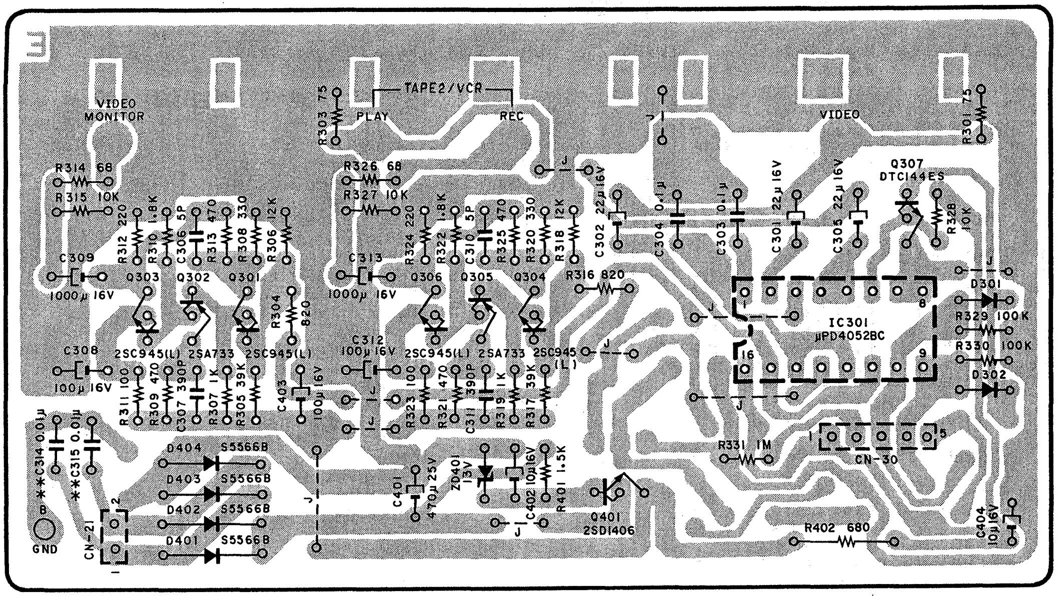

VIDEO MONITOR
TAPE2/VCR
PLAY
REC
VIDEO
R303 75
R301 75
R314 68
R315 10K
R326 68
R327 10K
C309 1000µ 16V
C313 1000µ 16V
R312 220
R310 1.8K
C306 5P
R313 470
R308 330
R306 12K
R324 220
R322 1.8K
C310 5P
R325 470
R320 330
R318 12K
C302 22µ 16V
C304 0.1µ
C303 0.1µ
C301 22µ 16V
C305 22µ 16V
Q307 DTC144ES
R328 10K
Q303
Q302
Q301
Q306
Q305
Q304
R304 820
R316 820
D301
R329 100K
IC301 µPD4052BC
R330 100K
D302
C308 100µ 16V
C312 100µ 16V
2SC945(L) 2SA733 2SC945(L)
2SC945(L) 2SA733 2SC945(L)
R311 100
R309 470
C307 390P
R307 1K
R305 39K
C403 100µ 16V
R323 100
R321 470
C311 390P
R319 1K
R317 39K
**C314 0.01µ
**C315 0.01µ
D404 S5566B
D403 S5566B
D402 S5566B
D401 S5566B
CN-21
GND
C401 470µ 25V
ZD401 13V
C402 10µ 16V
R401 1.5K
Q401 2SD1406
R331 1M
CN-30
R402 680
C404 10µ 16V
J

Fig. 5.10

**: SR-3E (Germany) only.

| Schematic Ref. No. | Part No. | Description |
|---|---|---|
| | BA06257A | Video Amp. P.C.B. Ass'y (SR-3 & SR-3A) |
| | BA06850A | Video Amp. P.C.B. Ass'y (SR-3E (Europe)) |
| | BA06830A | Video Amp. P.C.B. Ass'y (SR-3E (Germany)) |
| | 0B60389E | Video Amp. P.C.B. |
| IC301 | 0B11247A | IC µPD4052BC |
| Q301,303 304,306 | 0B01872A | TR 2SC945L (P,Q) |
| Q302,305 | 0B06013A | TR 2SA733 (P,Q) |
| Q307 | 0B10062A | TR DTC144ES |
| Q401 | 0B06452A | TR 2SD1406 (Y) |
| ZD401 | 0B12317A | ZD 13V MTZ13B |
| D301,302 | 0B06398A | SiD 1SS176 |
| D401-404 | 0B12362A | SiD S5566B |
| R301,303 | 0B09650A | RK 75 1/6W J |
| R304,316 | 0B09675A | RK 820 1/6W J |
| R305,317 | 0B09715A | RK 39K 1/6W J |
| R306,318 | 0B09703A | RK 12K 1/6W J |
| R307,319 | 0B09677A | RK 1K 1/6W J |
| R308,320 | 0B09665A | RK 330 1/6W J |
| R309,313 321,325 | 0B09669A | RK 470 1/6W J |
| R310,322 | 0B09683A | RK 1.8K 1/6W J |
| R311,323 | 0B09653A | RK 100 1/6W J (SR-3, SR-3A & SR-3E (Germany)) |
| | 0B09907A | RF 100 1/2W J (SR-3E (Europe)) |
| R312,324 | 0B09661A | RK 220 1/6W J |
| R314,326 | 0B09649A | RK 68 1/6W J |
| R315,327 328 | 0B09701A | RK 10K 1/6W J |
| R329,330 | 0B09725A | RK 100K 1/6W J |
| R331 | 0B09749A | RK 1M 1/6W J |
| R401 | 0B09681A | RK 1.5K 1/6W J |
| R402 | 0B05794A | RK 680 1/4W J |
| C301,302 305 | 0B01862A | CE 22µ 16V |
| C303,304 | 0B41298A | CMM 0.1µ 50V J |
| C306,310 | 0B09276A | CC 5P 50V |
| C307,311 | 0B41002A | CP 390P 100V J |
| C308,312 403 | 0B01400A | CE 100µ 16V |
| C309,313 | 0B40082A | CE 1000µ 16V |
| C314,315 | 0B41286A | CMM 0.01µ 50V J (SR-3E (Germany)) |
| C401 | 0B40094A | CE 470µ 25V |
| C402,404 | 0B01412A | CE 10µ 16V |
| CN21 | 0B81634A | 2P-T Post B2B-EH |
| CN30 | 0B81637A | 5P-T Post B5B-EH |
| | 0B81592B | Pin Jack 1P (4) |
| | 0B83057B | GND 50mm (1) (SR-3E (Germany)) |
| | 0B08680B | Heat Sink A (1) |
| | 0E00972A | Nut Hex. M3 (1) |
| | 0E03319A | M3x8 ⊕ Binding (1) |
| | BA06242A | Control Switch P.C.B. Ass'y |
| | 0B60381D | Control Switch P.C.B. |
| Q901,902 905-908 | 0B10058A | TR DTA114ES (6) |
| Q903,904 | 0B10068A | TR DTC114ES |
| LED910-917 | 0B12395A | LED SLR-34PC3F (Green) (8) |
| D901-905 908,909 917-919 | 0B06398A | SiD 1SS176 (10) |
| D906,907 | 0B12391A | SiD MC911 |
| R901,909 | 0B09657A | RK 150 1/6W J |
| R902,903 905-908 | 0B09689A | RK 3.3K 1/6W J (6) |
| R904 | 0B09661A | RK 220 1/6W J |
| SW901-912 | 0B70062A | Tact Switch KHH10910 (12) |
| CN12 | 0B82800A | 12P Connector 170mm |
| CN13 | 0B82801A | 5P Connector 170mm |
| | 0J05209B | LED Reflector D100 (8) |

### 5.11. Control Switch P.C.B. Ass'y

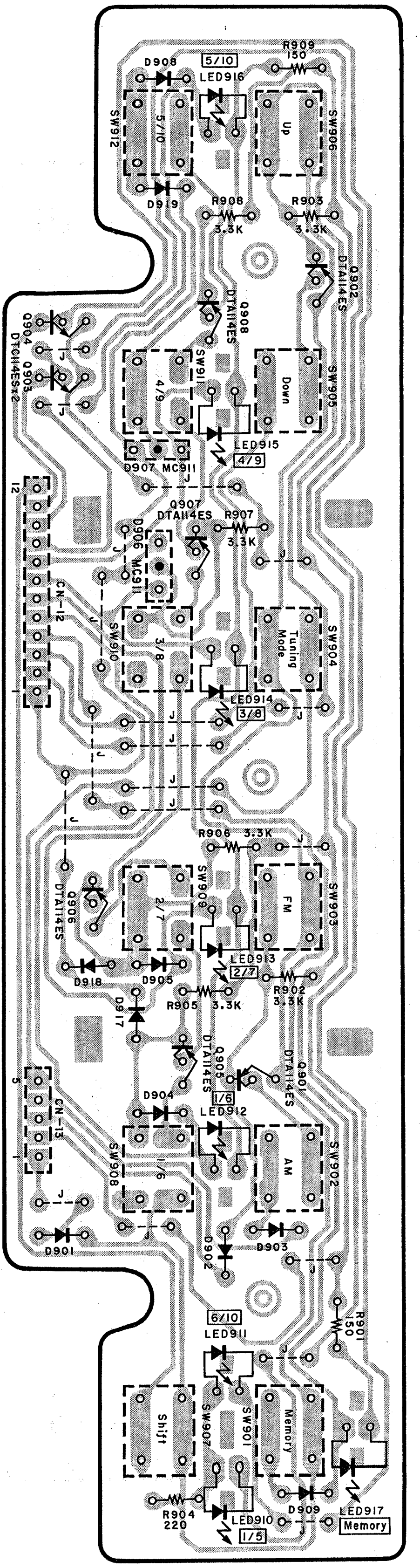

D908
5/10
LED916
R909
150
SW912
5/10
Up
SW906
D919
R908
3.3K
R903
3.3K
Q902
DTA114ES
Q908
DTA114ES
Q904
Q903
DTC114ES×2
SW911
4/9
Down
SW905
LED915
4/9
D907
MC911
Q907
DTA114ES
R907
3.3K
D906
MC911
12
CN-12
SW910
3/8
Tuning Mode
SW904
LED914
3/8
J
R906
3.3K
SW909
2/7
FM
SW903
Q906
DTA114ES
LED913
2/7
D918
D905
R905
3.3K
R902
3.3K
D917
Q905
DTA114ES
Q901
DTA114ES
1/6
D904
LED912
5
CN-13
SW908
1/6
AM
SW902
D901
D902
D903
6/10
LED911
R901
150
Shift
SW907
SW901
Memory
R904
220
LED910
1/5
D909
LED917
Memory

Fig. 5.11.1 2nd Version

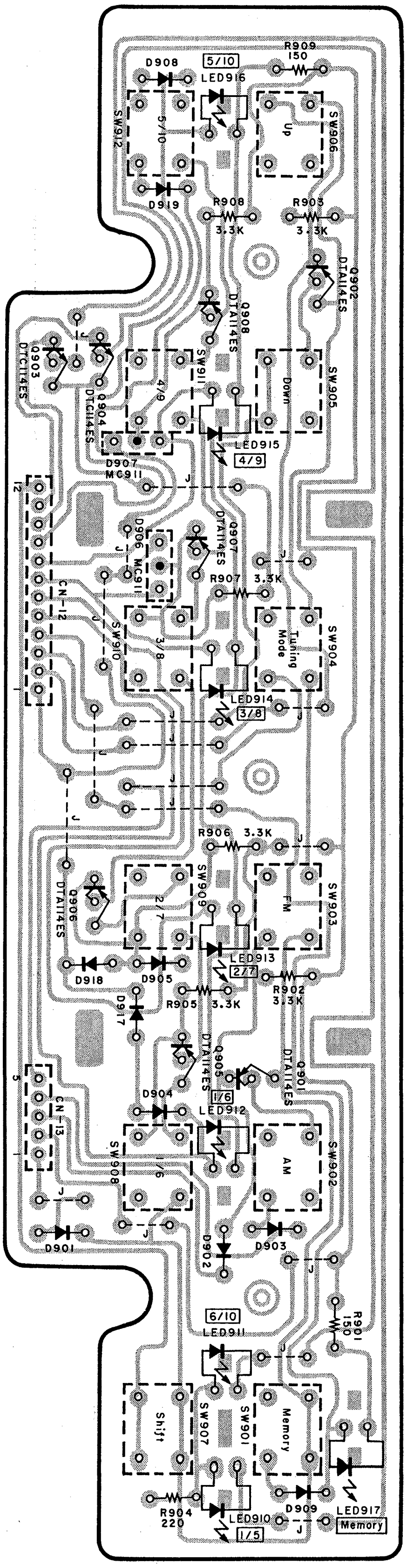
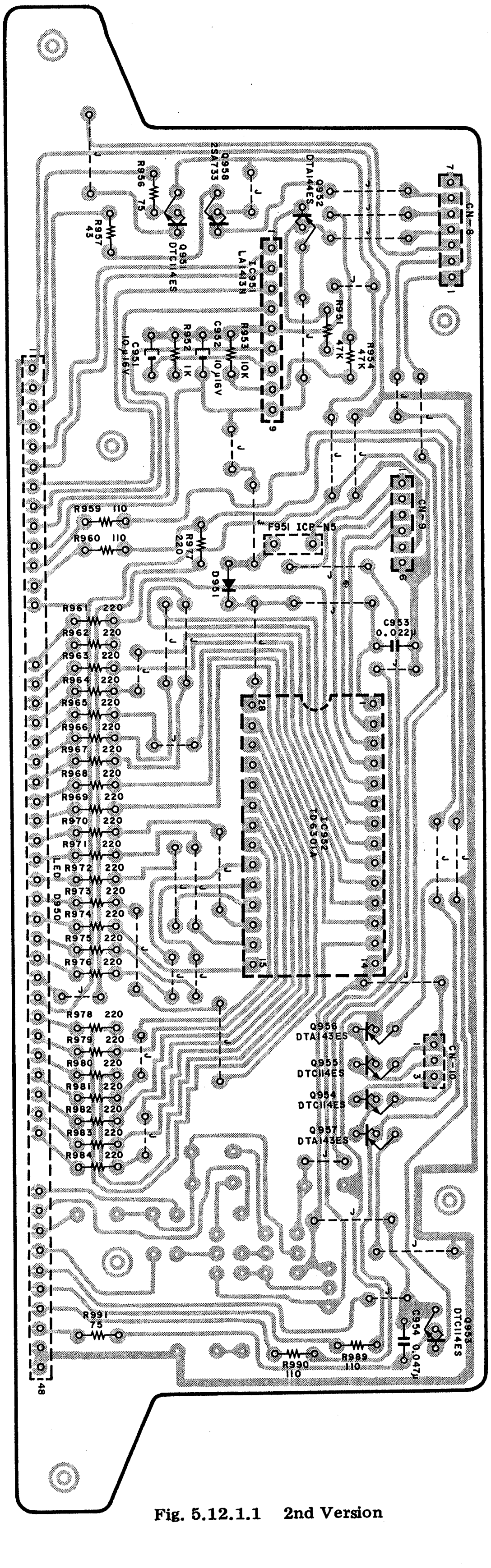

D908
5/10
LED916
R909
150
SW912
5/10
Up
SW906
D919
R908
3.3K
R903
3.3K
Q902
DTA114ES
Q908
DTA114ES
Q903
DTC114ES
Q904
DTC114ES
SW911
4/9
Down
SW905
D907
MC911
LED915
4/9
Q907
DTA114ES
R907
3.3K
D906
MC911
12
CN-12
SW910
3/8
Tuning Mode
SW904
LED914
3/8
J
R906
3.3K
SW909
2/7
FM
SW903
Q906
DTA114ES
LED913
2/7
D918
D905
R905
3.3K
R902
3.3K
D917
Q905
DTA114ES
Q901
DTA114ES
1/6
D904
LED912
5
CN-13
SW908
1/6
AM
SW902
D901
D902
D903
6/10
LED911
R901
150
Shift
SW907
SW901
Memory
R904
220
LED910
1/5
D909
LED917
Memory

Fig. 5.11.2 1st Version

## 5.12. Display P.C.B. Ass'y

### 5.12.1 For SR-3 (Canada) & SR-3A

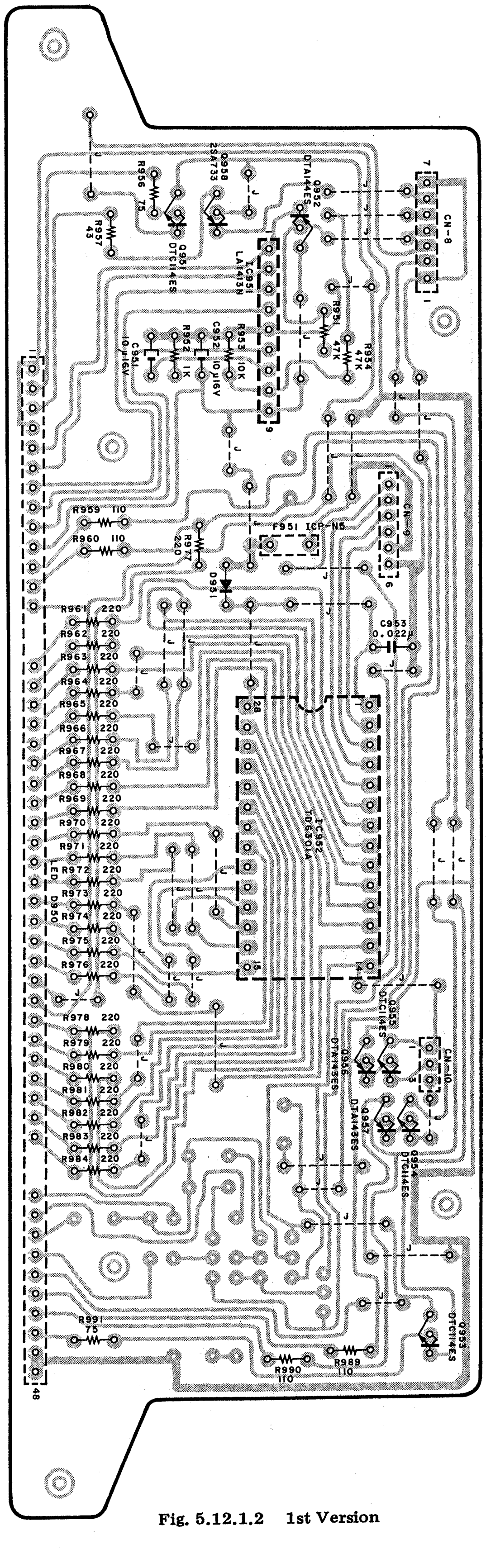
### (1) 2nd Version



R956 75
R957 43
Q958 2SA733
Q951 DTC114ES
Q952 DTA144ES
CN-8
7
1
IC951 LA1413N
R951 47K
R954 47K
R953 10K
C952 10μ16V
R952 1K
C951 10μ16V
9
R959 110
R960 110
R977 220
F951 ICP-N5
CN-9
D951
C953 0.022μ
R961 220
R962 220
R963 220
R964 220
R965 220
R966 220
R967 220
R968 220
R969 220
R970 220
R971 220
R972 220
R973 220
R974 220
R975 220
R976 220
R978 220
R979 220
R980 220
R981 220
R982 220
R983 220
R984 220
LED D950
IC952 TD6301A
28
15
14
Q956 DTA143ES
Q955 DTC114ES
Q954 DTC114ES
Q957 DTA143ES
CN-10
3
R991 75
R990 110
R989 110
C954 0.047μ
Q953 DTC114ES
48
J

Fig. 5.12.1.1 2nd Version

### (2) 1st Version



R956 75
R957 43
Q958 2SA733
Q951 DTC114ES
Q952 DTA144ES
CN-8
7
1
IC951 LA1413N
R951 47K
R954 47K
R953 10K
C952 10μ16V
R952 1K
C951 10μ16V
9
R959 110
R960 110
R977 220
F951 ICP-N5
CN-9
D951
C953 0.022μ
R961 220
R962 220
R963 220
R964 220
R965 220
R966 220
R967 220
R968 220
R969 220
R970 220
R971 220
R972 220
R973 220
R974 220
R975 220
R976 220
R978 220
R979 220
R980 220
R981 220
R982 220
R983 220
R984 220
LED D950
IC952 TD6301A
28
15
14
Q955 DTC114ES
Q956 DTA143ES
Q957 DTA143ES
Q954 DTC114ES
CN-10
3
R991 75
R990 110
R989 110
Q953 DTC114ES
48
J

Fig. 5.12.1.2 1st Version

| Schematic Ref. No. | Part No. | Description |
|---|---|---|
|  | BA06240A | Display P.C.B. Ass'y (SR-3 (Canada) & SR-3A) 2nd Version |
|  | 0B60380D | Display P.C.B. |
| IC951 | 0B11244A | IC LA1413N |
| IC952 | 0B11160A | IC TD6301A |
| Q951,953 954,955 | 0B10068A | TR DTC114ES |
| Q952 | 0B10053A | TR DTA144ES |
| Q956,957 | 0B10060A | TR DTA143ES |
| Q958 | 0B06013A | TR 2SA733 (P,Q) |
| D950 | 0B12385A | Display Unit |
| D951 | 0B06398A | SiD 1SS176 |
| R951,954 | 0B09717A | RK 47K 1/6W J |
| R952 | 0B09677A | RK 1K 1/6W J |
| R953 | 0B09701A | RK 10K 1/6W J |
| R956,991 | 0B09650A | RK 75 1/6W J |
| R957 | 0B09644A | RK 43 1/6W J |
| R959,960 989,990 | 0B09654A | RK 110 1/6W J |
| R961-984 | 0B09661A | RK 220 1/6W J (24) |
| C951,952 | 0B40009A | CE 10μ 16V |
| C953 | 0B41554A | CC 0.022μ 25V Z |
| C954 | 0B41555A | CC 0.047μ 25V Z |
| F951 | 0B11248A | IC Protector ICP-N5 |
| CN8 | 0B82796A | 7P Connector 280mm |
| CN9 | 0B82797A | 6P Connector 280mm |
| CN10 | 0B82798A | 3P Connector 260mm |
|  | 0E00846A | BT3x8 ⊕Pan (2) |
|  | BA06240A | Display P.C.B. Ass'y (SR-3 (Canada) & SR-3A) 1st Version |
|  | 0B60380A | Display P.C.B. |
| IC951 | 0B11244A | IC LA1413N |
| IC952 | 0B11160A | IC TD6301A |
| Q951,953 954,955 | 0B10068A | TR DTC114ES |
| Q952 | 0B10053A | TR DTA144ES |
| Q956,957 | 0B10060A | TR DTA143ES |
| Q958 | 0B06013A | TR 2SA733 (P,Q) |
| D950 | 0B12385A | Display Unit |
| D951 | 0B06398A | SiD 1SS176 |
| R951,954 | 0B09717A | RK 47K 1/6W J |
| R952 | 0B09677A | RK 1K 1/6W J |
| R953 | 0B09701A | RK 10K 1/6W J |
| R956,991 | 0B09650A | RK 75 1/6W J |
| R957 | 0B09644A | RK 43 1/6W J |
| R959,960 989,990 | 0B09654A | RK 110 1/6W J |
| R961-984 | 0B09661A | RK 220 1/6W J (24) |
| C951,952 | 0B40009A | CE 10μ 16V |
| C953 | 0B41554A | CC 0.022μ 25V Z |
| F951 | 0B11248A | IC Protector ICP-N5 |
| CN8 | 0B82796A | 7P Connector 280mm |
| CN9 | 0B82797A | 6P Connector 280mm |
| CN10 | 0B82798A | 3P Connector 260mm |
|  | 0E00846A | BT3x8 ⊕Pan (2) |

### 5.12.2. For SR-3 (Australia & Other) & SR-3E (Europe & Germany)

(1) 2nd Version

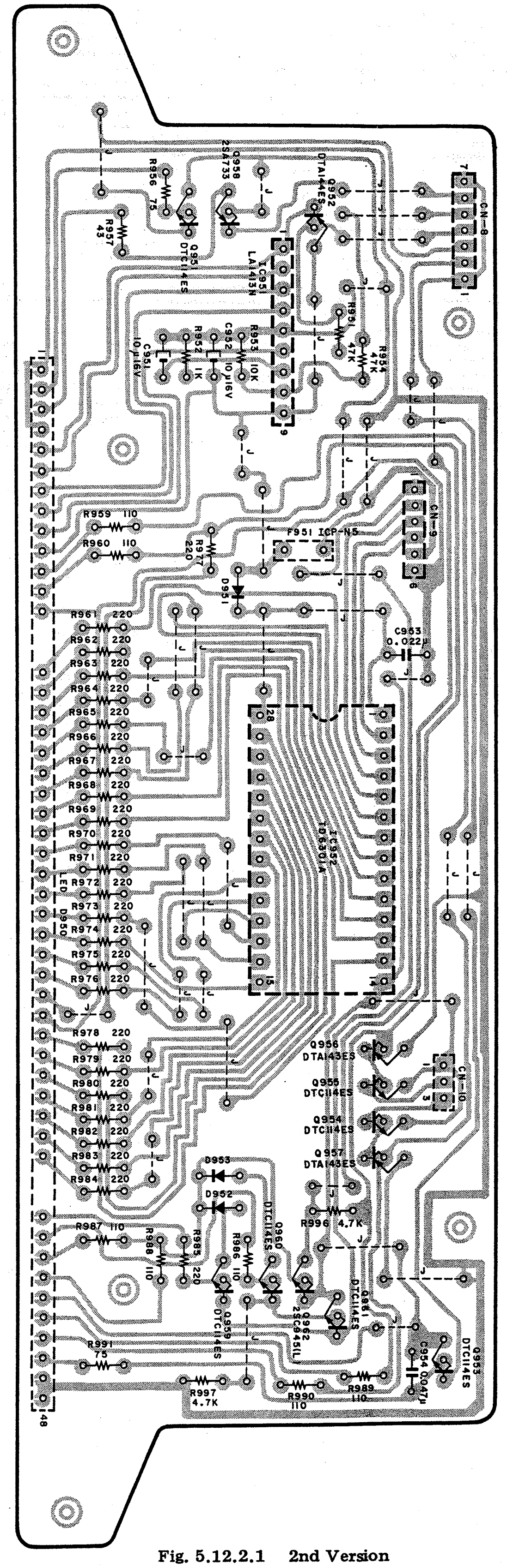


Fig. 5.12.2.1 2nd Version

(2) 1st Version (For SR-3 (Australia & Other only))

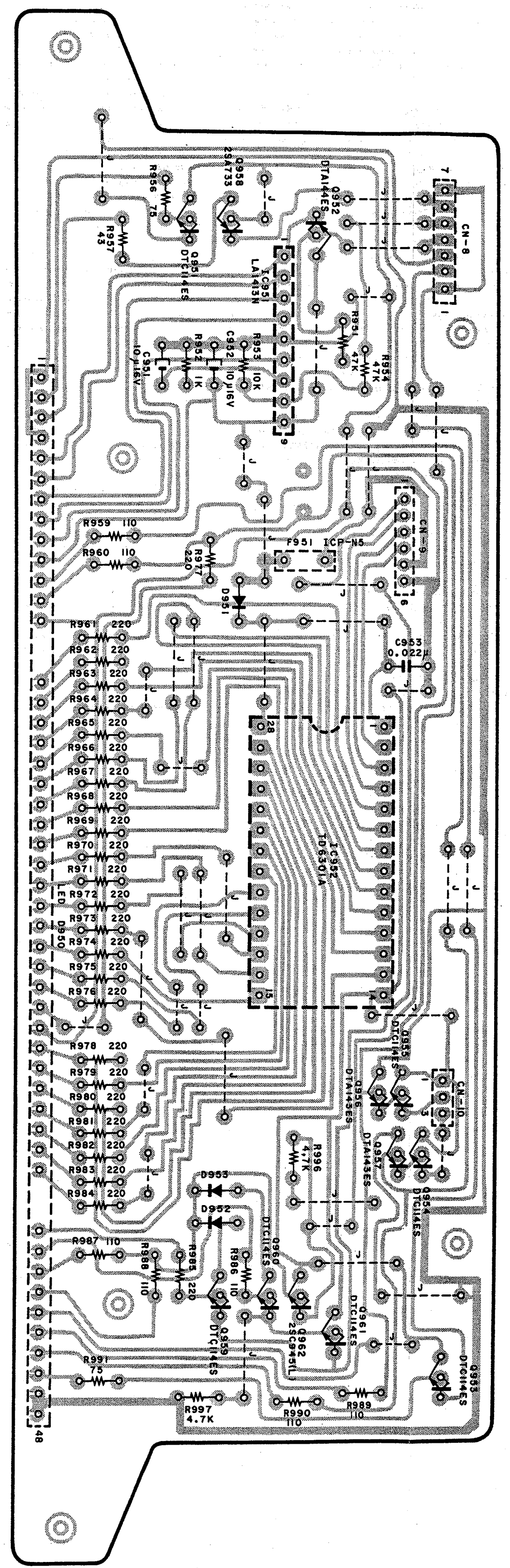


Fig. 5.12.2.2 1st Version

| Schematic Ref. No. | Part No. | Description |
|---|---|---|
|  | BA06241A | Display P.C.B. Ass'y (SR-3 (Australia & Other): 2nd Version) (SR-3E (Europe & Germany)) |
|  | 0B60380D | Display P.C.B. |
| IC951 | 0B11244A | IC LB1413N |
| IC952 | 0B11160A | IC TD6301A |
| Q951,953 954,955 959-961 | 0B10068A | TR DTC114ES (7) |
| Q952 | 0B10053A | TR DTA144ES |
| Q956,957 | 0B10060A | TR DTA143ES |
| Q958 | 0B06013A | TR 2SA733 (P,Q) |
| Q962 | 0B01872A | TR 2SC945L (P,Q) |
| D950 | 0B12385A | Display Unit |
| D951,952 953 | 0B06398A | SiD 1SS176 |
| R951,954 | 0B09717A | RK 47K 1/6W J |
| R952 | 0B09677A | RK 1K 1/6W J |
| R953 | 0B09701A | RK 10K 1/6W J |
| R956,991 | 0B09650A | RK 75 1/6W J |
| R957 | 0B09644A | RK 43 1/6W J |
| R959,960 986-990 | 0B09654A | RK 110 1/6W J (7) |
| R961-985 | 0B09661A | RK 220 1/6W J (25) |
| R996,997 | 0B09693A | RK 4.7K 1/6W J |
| C951,952 | 0B40009A | CE 10μ 16V |
| C953 | 0B41554A | CC 0.022μ 25V Z |
| C954 | 0B41555A | CC 0.047μ 25V Z |
| F951 | 0B11248A | IC Protector ICP-N5 |
| CN8 | 0B82796A | 7P Connector 280mm |
| CN9 | 0B82797A | 6P Connector 260mm |
| CN10 | 0B82798A | 3P Connector 260mm |
|  | 0E00846A | BT3x8 ⊕Pan (2) |
|  | BA06241A | Display P.C.B. Ass'y (SR-3 (Australia & Other)): 1st Version |
|  | 0B60380A | Display P.C.B. |
| IC951 | 0B11244A | IC LB1413N |
| IC952 | 0B11160A | IC TD6301A |
| Q951,953 954,955 959-961 | 0B10068A | TR DTC114ES (7) |
| Q952 | 0B10053A | TR DTA144ES |
| Q956,957 | 0B10060A | TR DTA143ES |
| Q958 | 0B06013A | TR 2SA733 (P,Q) |
| Q962 | 0B01872A | TR 2SC945L (P,Q) |
| D950 | 0B12385A | Display Unit |
| D951,952 953 | 0B06398A | SiD 1SS176 |
| R951,954 | 0B09717A | RK 47K 1/6W J |
| R952 | 0B09677A | RK 1K 1/6W J |
| R953 | 0B09701A | RK 10K 1/6W J |
| R956,991 | 0B09650A | RK 75 1/6W J |
| R957 | 0B09644A | RK 43 1/6W J |
| R959,960 986-990 | 0B09654A | RK 110 1/6W J (7) |
| R961-985 | 0B09661A | RK 220 1/6W J (25) |
| R996,997 | 0B09693A | RK 4.7K 1/6W J |
| C951,952 | 0B40009A | CE 10μ 16V |
| C953 | 0B41554A | CC 0.022μ 25V Z |
| F951 | 0B11248A | IC Protector ICP-N5 |
| CN8 | 0B82796A | 7P Connector 280mm |
| CN9 | 0B82797A | 6P Connector 260mm |
| CN10 | 0B82798A | 3P Connector 260mm |
|  | 0E00846A | BT3x8 ⊕Pan (2) |

### 5.13. Main P.C.B. Ass'y

### 5.13.1. For SR-3 (Canada) & SR-3A

### (1) 2nd Version

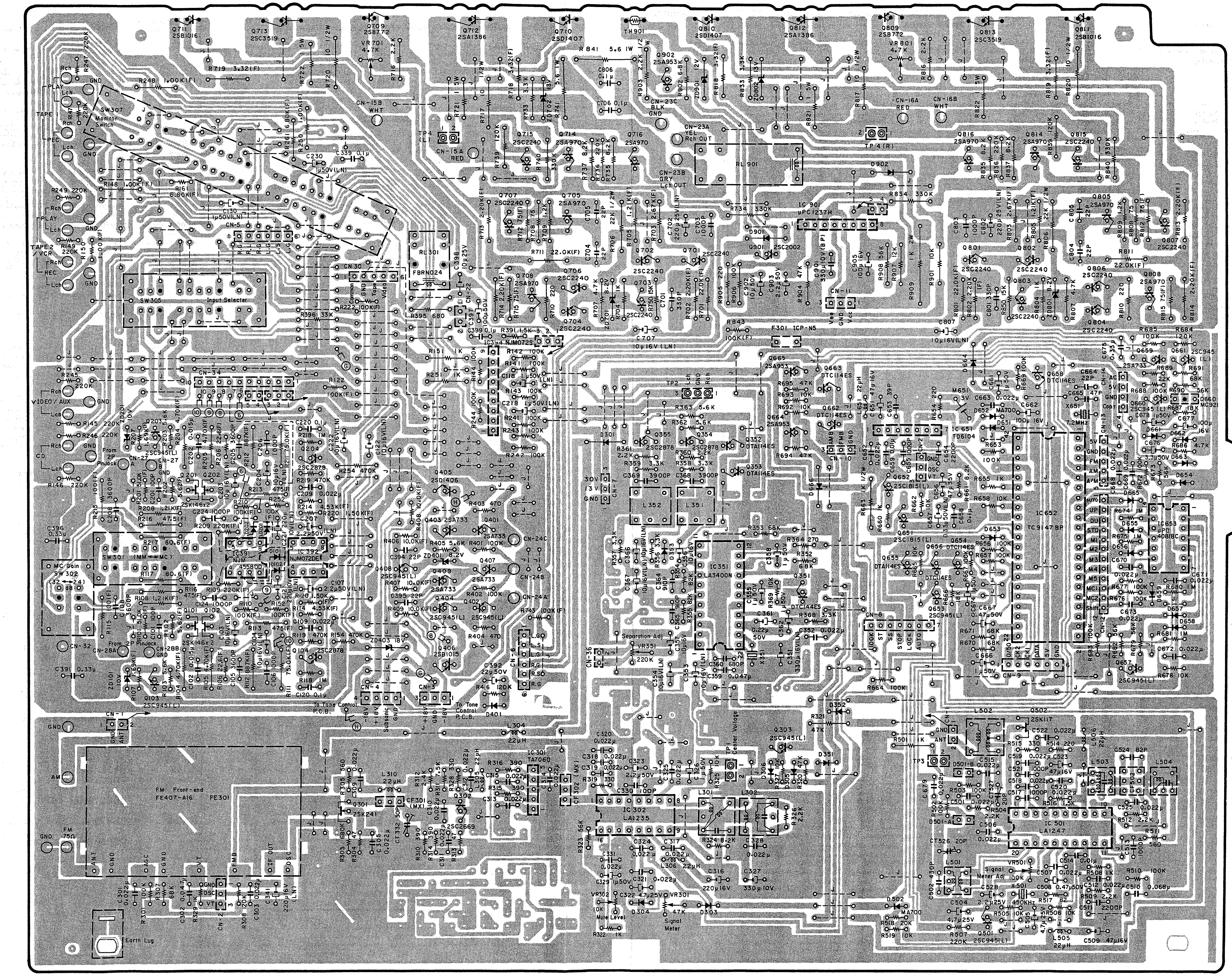

SW307 Monitor Switch
SW305
Input Selecter
RL301
RL901
IC901 μPC1237H
IC652 TC9147BP
IC351 LA3400N
IC302 LA1235
IC501 LA1247
FM Front-end FE407-A16 FE301
Earth Lug
Signal Meter Adj
Mute Level
Signal Meter
Separation Adj
To Tone Control P.C.B.
CN-16A RED
CN-16B WHT
CN-15A RED
CN-15B WHT
CN-23A YEL Rch OUT
CN-23B GRY Lch OUT
CN-23C BLK GND
VR701 4.7K
VR801 4.7K
TH901
F301 ICP-N5
TP4(L)
TP4(R)
TP2
TP3

Fig. 5.13.1.1 2nd Version (For SR-3 (Canada) & SR-3A)

| Schematic Ref. No. | Part No. | Description |
|---|---|---|
| | BA06237A | Main P.C.B. Ass'y (SR-3 (Canada) & SR-3A) 2nd Version |
| | — FM — | |
| IC301 | 0B11156A | IC TA7060AP |
| IC302 | 0B11157A | IC LA1235 |
| Q301 | 0B10127A | FET 2SK241 (GR) |
| Q302 | 0B10174A | TR 2SC2669 (O,Y) |
| Q303 | 0B01872A | TR 2SC945L (P,O) |
| D303-306 | 0B06398A | SiD 1SS176 (4) |
| L301 | 0B51240A | FM Det. Coil A |
| L302 | 0B51241A | FM Det. Coil B |
| L304,305 306,310 | 0B51239A | Micro Coil 22μH |
| VR301 | 0B32084A | Semi VR 47K |
| VR302 | 0B32080A | Semi VR 10K |
| R301 | 0B09725A | RK 100K 1/6W J |
| R303 | 0B09745A | RK 680K 1/6W J |
| R304,313 | 0B09645A | RK 47 1/6W J |
| R305 | 0B09671A | RK 560 1/6W J |
| R307 | 0B09721A | RK 68K 1/6W J |
| R308 | 0B09727A | RK 120K 1/6W J |
| R310,314 315,316 | 0B09667A | RK 390 1/6W J |
| R311 | 0B09698A | RK 7.5K 1/6W J |
| R312 | 0B09686A | RK 2.4K 1/6W J |
| R319,328 | 0B09665A | RK 330 1/6W J |
| R320 | 0B09717A | RK 47K 1/6W J |
| R321 | 0B05641A | RK 47K 1/4W J |
| R322,329 | 0B09677A | RK 1K 1/6W J |
| R323 | 0B09719A | RK 56K 1/6W J |
| R324 | 0B09699A | RK 8.2K 1/6W J |
| R325,327 | 0B09701A | RK 10K 1/6W J |
| R326 | 0B09685A | RK 2.2K 1/6W J |
| CF301,302 | 0B41818A | Ceramic Filter SFE10.7MX2K-A |
| CT332 | 0B41614A | C Trimmer 30P |
| C301,303 305,309 310,311 313,314 315,318 319,320 321,324 325,328 331 | 0B41554A | CC 0.022μ 25V Z |
| C302 | 0B41294A | CMM 0.047μ 50V J |
| C312,317 | 0B41290A | CMM 0.022μ 50V J |
| C316 | 0B40079A | CE 220μ 16V |
| C322 | 0B01402A | CE 4.7μ 25V |
| C323 | 0B09372A | CE 2.2μ 50V |
| C326,329 | 0B01405A | CE 1μ 50V |
| C327 | 0B40066A | CE 330μ 10V |
| C330 | 0B41071A | CC 100P 50V J |
| C341 | 0B40420A | CE 220μ 16V (LN) |
| F301 | 0B11248A | IC Protector ICP-N5 |
| FE301 | 0B91016A | Front-end FE407-A16 |
| CN2 | 0B82792A | 3P Connector W240 |
| CN7 | 0B82795A | 3P Connector 370 |
| TP1 | 0B81634A | 2P-T Post |
| | 0E03355A | Earth Lug (1) |
| | — AM — | |
| IC501 | 0B11243A | IC LA1247 |
| Q501 | 0B01872A | TR 2SC945L (P,Q) |
| Q502 | 0B06129A | FET 2SK117 (Y) |
| D501 | 0B12386A | Varicap KV1226Y |
| D502 | 0B12363A | SiD MA700 |
| L501 | 0B51235A | Osc. Coil |
| L502 | 0B51236A | Ant. Coil |
| L503 | 0B51234A | IFT 2 AM |
| L504 | 0B51233A | IFT 1 AM |
| L505,506 | 0B51239A | Micro Coil 22μH |
| VR501 | 0B32086A | Semi VR 100K |
| R501 | 0B01857A | RK 1K 1/4W J |
| R502,503 510 | 0B09725A | RK 100K 1/6W J |
| R504,509 512 | 0B09685A | RK 2.2K 1/6W J |
| R505,506 519 | 0B09701A | RK 10K 1/6W J |
| R507 | 0B09733A | RK 220K 1/6W J |
| R508 | 0B09677A | RK 1K 1/6W J |
| R511 | 0B09671A | RK 560 1/6W J |
| R514 | 0B09661A | RK 220 1/6W J |
| R515 | 0B09665A | RK 330 1/6W J |
| R516 | 0B09681A | RK 1.5K 1/6W J |
| R517 | 0B09651A | RK 82 1/6W J |
| R518 | 0B09708A | RK 20K 1/6W J |
| CF502 | 0B41701A | Ceramic Filter SFZ450G3L |
| CT526,527 | 0B42005A | C Trimmer 20P |
| C501,506 507,512 515,518 519,520 522,525 | 0B41554A | CC 0.022μ 25V |
| C502 | 0B41401A | CP 430P 50V J |
| C504,505 | 0B01402A | CE 4.7μ 25V |
| C508 | 0B40111A | CE 0.47μ 50V |
| C509,523 | 0B01403A | CE 47μ 16V |
| C510 | 0B41296A | CMM 0.068μ 50V J |
| C511 | 0B09586A | CC 2200P 50V K |
| C513,517 521 | 0B09288A | CC 1000P 50V K |
| C514 | 0B41553A | CC 0.01μ 25V |
| C524 | 0B41711A | CC 82P 50V K |
| C528 | 0B09372A | CE 2.2μ 50V |
| X501 | 0B92003A | Crystal 450kHz BFU450C4N |
| CN1 | 0B82791A | 2P Connector 250mm |
| TP3 | 0B81634A | 2P-T Post |
| | — MPX — | |
| IC351 | 0B11245A | IC LA3400N |
| Q351 | 0B10062A | TR DTC144ES |
| Q352,353 | 0B10058A | TR DTA114ES |
| Q354,355 | 0B06299A | TR 2SC2878 |
| D351,352 353 | 0B06398A | SiD 1SS176 |
| L351,352 | 0B51237A | MPX Filter |
| VR351 | 0B32066A | Semi VR 220K |
| R352,353 | 0B09721A | RK 68K 1/6W J |
| R354,355 | 0B09723A | RK 82K 1/6W J |
| R356-359 368 | 0B09689A | RK 3.3K 1/6W J (5) |
| R360,361 | 0B09685A | RK 2.2K 1/6W J |
| R362,363 | 0B09695A | RK 5.6K 1/6W J |
| R364 | 0B09663A | RK 270 1/6W J |
| R369 | 0B09701A | RK 10K 1/6W J |
| C351 | 0B40418A | CE 330μ 16V (LN) |
| C352 | 0B41290A | CMM 0.022μ 50V J |
| C353,354 366,367 | 0B09816A | CE 10μ 16V (LN) |
| C355,358 362 | 0B01405A | CE 1μ 50V |
| C356,357 | 0B01412A | CE 10μ 16V |
| C359 | 0B41555A | CC 0.047μ 25V |
| C360 | 0B09287A | CC 680P 50V K |
| C361 | 0B40023A | CE 0.22μ 50V |
| C364,365 | 0B41409A | CP 910P 50V J |
| C368,369 | 0B41281A | CMM 3900P 50V J |
| X351 | 0B90172A | Ceramic Filter CSB456F11 |
| TP2 | 0B81635A | 3P-T Post |
| | — Sync. Cont. — | |
| IC651 | 0B11159A | IC TD6104 |
| IC652 | 0B11161A | IC TC9147BP |
| IC653 | 0B06219A | IC μPD4081BC |
| Q651,652 | 0B10088A | TR 2SC1815L |
| Q653,657 660,661 | 0B01872A | TR 2SC945L (P,Q) |
| Q654,656 658,662 663 | 0B10068A | TR DTC114ES |
| Q655 | 0B10058A | TR DTA114ES |
| Q659 | 0B06013A | TR 2SA733 (P,Q) |
| Q664,665 | 0B06372A | TR 2SA953 (K,L) |
| D301,664 666 | 0B06181A | SiD 1SS53 |
| D651 653-659 661,662 663,665 | 0B06398A | SiD 1SS176 (12) |
| D652 | 0B12363A | SiD MA700 |
| D660 | 0B12100A | SiD MC921 |
| L651 | 0B51239A | Micro Coil 22μH |
| X651 | 0B92006A | Crystal 7.2MHz |
| R653,656 657,664 667,669 672,676 677,683 685,688 | 0B09725A | RK 100K 1/6W J |
| R654 | 0B09661A | RK 220 1/6W J |
| R655,660 | 0B09677A | RK 1K 1/6W J |
| R658,662 665,678 692,693 | 0B09701A | RK 10K 1/6W J |
| R661 | 0B09699A | RK 8.2K 1/6W J |
| R663 | 0B24114A | RF 1K 1/2W J |
| R666,687 | 0B09707A | RK 18K 1/6W J |
| R670,671 691 | 0B09721A | RK 68K 1/6W J |
| R673,679 682,690 | 0B09719A | RK 56K 1/6W J |
| R674,675 680,681 | 0B09749A | RK 1M 1/6W J |
| R684 | 0B09727A | RK 120K 1/6W J |
| R686 | 0B09693A | RK 4.7K 1/6W J |
| R689 | 0B09709A | RK 22K 1/6W J |
| R694,695 | 0B09717A | RK 47K 1/6W J |
| C651 | 0B01403A | CE 47μ 16V |
| C652,663 668-673 679 | 0B41554A | CC 0.022μ 25V (9) |
| C653 | 0B41187A | CC 39P 50V J |
| C654 | 0B09586A | CC 2200P 50V K |
| C655 | 0B09288A | CC 1000P 50V K |
| C656 | 0B40103A | CE 47μ 35V |
| C657 | 0B09327A | CE 0.33μ 50V (LN) |
| C658 | 0B41298A | CMM 0.1μ 50V J |
| C659 | 0B41553A | CC 0.01μ 25V |
| C661,666 674,678 | 0B01405A | CE 1μ 50V |
| C662,677 | 0B01400A | CE 100μ 16V |
| C664 | 0B41708A | CC 22P 50V J |
| C665 | 0B41709A | CC 47P 50V J |
| C667 | 0B40111A | CE 0.47μ 50V |
| C675 | 0B41304A | CMM 0.33μ 50V J |
| C676 | 0B01863A | CE 3.3μ 50V |
| M651 | 0B90200B | Lithium Battery 3V CR2430-FT4-1 |
| CN8 | 0B81639A | 7P-T Post |
| CN9 | 0B81638A | 6P-T Post |
| CN10 | 0B81635A | 3P-T Post |
| CN12 | 0B81644A | 12P-T Post |
| CN13 | 0B81637A | 5P-T Post |
| CN14 | 0B82802A | 4P Connector |
| | — Eq. Amp. — | |
| IC391 | 0B06146A | IC NJM4558DD |
| Q101,102 201,202 | 0B10195A | FET 2SK146 (BL,V) |
| Q103,203 | 0B01872A | TR 2SC945L (P,Q) |
| ZD101,201 | 0B12168A | ZD 10V RD10JS-T1B2 |
| D101,102 201,202 | 0B06398A | SiD 1SS176 |
| R101,201 | 0B22423A | RM 51.0K 1/6W F |
| R102,202 | 0B22684A | RM 5.62 1/4W F |
| R103,203 | 0B09695A | RK 5.6K 1/6W J |
| R104,105 204,205 | 0B09356A | RM 4.7K 1/4W F |
| R106,206 | 0B22039A | RM 22.6 1/6W F |
| R107,207 | 0B22253A | RM 1.69K 1/6W F |
| R108,208 | 0B22635A | RM 1.21K 1/4W F |
| R109,209 | 0B22493A | RM 220K 1/6W F |
| R110,122 152,210 222,252 | 0B22457A | RM 100K 1/6W F |
| R111,211 | 0B09562A | RM 75.0K 1/4W F |
| R112,212 | 0B22641A | RM 887K 1/4W F |
| R113,213 | 0B22576A | RM 475 1/4W F |
| R115,215 | 0B22567A | RM 100 1/4W F |
| R116,216 | 0B22643A | RM 47.5 1/4W F |
| R117,217 | 0B09891A | RM 80.6 1/4W F |
| C101,201 | 0B41703A | CSP 100P 50V J |
| C102,202 | 0B41585A | CM 0.015μ 100V J |
| C103,104 122,203 204,222 | 0B09816A | CE 10μ 16V (LN) |
| C105,205 | 0B41238A | CP 3600P 100V J |
| C106,124 206,224 | 0B41225A | CP 1000P 100V J |
| C108,208 | 0B41706A | CSP 3600P 50V J |
| C121,221 | 0B40422A | CE 220μ 10V (LN) |
| C391,396 | 0B41304A | CMM 0.33μ 50V J |
| SW301 | 0B70076A | Push Switch 4-2 |
| SW302 | 0B70078A | Slide Switch 4-2 |
| CN34 | 0B82862A | 10P Connector |
| | BA06317A | Eq. Sub P.C.B. Ass'y |
| | — Subsonic Filter — | |
| IC392 | 0B11005A | IC NJM072DE |
| Q104,204 | 0B06299A | TR 2SC2878 |
| ZD403 | 0B12186A | ZD 18V RD18JSB2 |
| D401 | 0B06398A | SiD 1SS176 |
| R114,214 | 0B22303A | RM 4.53K 1/6W F |
| R118,218 | 0B09749A | RK 1M 1/6W J |
| R119,154 219 | 0B09741A | RK 470K 1/6W J |
| R120,220 | 0B22247A | RM 1.50K 1/6W F |
| R254 | 0B01684A | RK 470K 1/4W J |
| R416 | 0B09727A | RK 120K 1/6W J |
| C107,207 | 0B09933A | CE 2.2μ 50V (LN) |
| C109,209 | 0B05582A | CM 0.022μ 50V J |
| C120,220 | 0B41298A | CMM 0.1μ 50V J |
| C392 | 0B40117A | CE 22μ 50V |
| CN4 | 0B81636A | 4P-T Post |
| | — Power Supply — | |
| Q401,403 407,409 | 0B06013A | TR 2SA733 (P,Q) |
| Q402,404 408 | 0B01872A | TR 2SC945L (P,Q) |
| Q405 | 0B06452A | TR 2SD1406 (Y) |
| Q406 | 0B06451A | TR 2SB1015 (Y) |
| ZD401 | 0B12162A | ZD 8.2V RD8.2JS-T1B2 |
| R401,402 | 0B09725A | RK 100K 1/6W J |
| R403,404 | 0B09669A | RK 470 1/6W J |
| R405 | 0B09695A | RK 5.6K 1/6W J |
| R406,407 408,409 | 0B22343A | RM 10.0K 1/6W F |
| C394,395 | 0B41507A | C 22P 50V J |
| CN3 | 0B81635A | 3P-T Post |
| GJ | 0B82135B | PD Connector V130 |
| HJ | 0B82215A | PD Connector V090 |
| | 0B08680B | Heat Sink A (2) |
| | 0E00972A | Nut Hex. M3 (2) |
| | 0E03319A | M3x8 ⊕ Binding (2) |
| | — Tuner Buffer — | |
| IC394 | 0B11070A | IC NJM072S |
| R141-144 241-244 | 0B01889A | RK 100K 1/4W J (8) |
| R151,251 | 0B01857A | RK 1K 1/4W J |
| C118,218 | 0B09814A | CE 1μ 50V (LN) |
| | — Input Sel. — | |
| R145,146 147,149 245,246 247,249 | 0B09733A | RK 220K 1/6W J |
| R148,248 250 | 0B09491A | RM 1.00K 1/4W F |
| R150 | 0B22229A | RM 1.00K 1/6W F |
| R161 | 0B22324A | RM 6.80K 1/6W F |
| R261 | 0B09529A | RM 6.8K 1/4W F |
| R391 | 0B09681A | RK 1.5K 1/4W J |
| R395 | 0B05794A | RK 680 1/4W J |
| R396 | 0B05509A | RK 33K 1/4W J |
| C130,230 | 0B09814A | CE 1μ 50V (LN) |
| C339,399 | 0B41298A | CMM 0.1μ 50V J |
| C397 | 0B40120A | CE 100μ 50V |
| C398 | 0B01674A | CE 10μ 25V |
| RL301 | 0B90204A | Relay FBR42ND024P |
| SW305 | 0B70082A | Rotary Slide Switch 4-4 |
| SW307 | 0B70083A | Rotary Slide Switch 8-6 |
| CN5,6 | 0B81013A | Dip Mate 6P |
| CN27A | 0B82750A | PD Connector V80 |
| CN27B 28B,32 | 0B82751A | PD Connector V80 |
| CN28A | 0B82752A | PD Connector V80 |
| CN30 | 0B82806A | 5P Connector |
| | 0B82733B | Ribbon Cable 6P (1) |
| | 0B81020A | 2P Pin Jack (1) |
| | 0B81593A | 4P Pin Jack (3) |
| | — Protector — | |
| IC901 | 0B11246A | IC μPC1237H |
| Q714,716 814,816 | 0B10050A | TR 2SA970 (BL) |
| Q715,815 | 0B06142A | TR 2SC2240 (BL) |
| Q901 | 0B06322A | TR 2SC2002 (K,L) |
| Q902 | 0B06372A | TR 2SA953 (K,L) |
| ZD702,802 | 0B12390A | ZD 13V RD13EB3 |
| ZD901 | 0B06123A | ZD 12V RD12EB3 |
| D901,902 | 0B06181A | SiD 1SS53 |
| R733,833 | 0B01681A | RK 3.3K 1/4W J |
| R734,740 834,840 | 0B05627A | RK 330K 1/4W J |
| R735,737 835,837 | 0B01856A | RK 8.2K 1/4W J |
| R736,836 | 0B05625A | RK 220K 1/4W J |
| R739,839 | 0B05621A | RK 120K 1/4W J |
| R901 | 0B01888A | RK 10K 1/4W J |
| R902 | 0B01682A | RK 6.8K 1/4W J |
| R903 | 0B24113A | RF 2.2K 1/2W J |
| R904 | 0B05641A | RK 47K 1/4W J |
| R905 | 0B01933A | RK 220 1/4W J |
| R906 | 0B01889A | RK 100K 1/4W J |
| R907 | 0B09263A | RK 12K 1/4W J |
| R908 | 0B05508A | RK 56K 1/4W J |
| R909 | 0B24107A | RF 1K 2W J |
| C901 | 0B40408A | CE 330μ 10V (BP) |
| C902 | 0B40116A | CE 10μ 50V |
| C903 | 0B09372A | CE 2.2μ 50V |
| C905 | 0B01400A | CE 100μ 16V |
| RL901 | 0B90199A | Relay 24V |
| CN11 | 0B82799A | 3P Connector |
| | — Power Amp. — | |
| Q701-704 706,707 801-804 806,807 | 0B06142A | TR 2SC2240 (BL) (12) |
| Q705,708 805,808 | 0B10050A | TR 2SA970 (BL) |
| ZD701,801 | 0B12162A | ZD 8.2V RD8.2JSB2 |
| VR701,801 | 0B32078A | Semi VR 4.7K |
| R701,711 801,811 | 0B09441A | RM 22K 1/4W F |
| R702,713 714,802 813,814 | 0B09420A | RM 2.2K 1/4W F |
| R703,803 | 0B09421A | RM 2.67K 1/4W F |
| R704,804 | 0B01857A | RK 1K 1/4W J |
| R705,805 | 0B22635A | RM 1.21K 1/4W F |
| R706,806 | 0B24111A | RF 22K 1/2W J |
| R707,807 | 0B01846A | RK 4.7K 1/4W J |
| R708,808 | 0B05959A | RK 75 1/4W J |
| R709,809 | 0B05623A | RK 1.2K 1/4W J |
| R710,810 | 0B01933A | RK 220 1/4W J |
| R712,715 812,815 | 0B22632A | RM 75 1/4W F |
| R716,816 | 0B05622A | RK 2.2K 1/4W J |
| R717,720 817,820 | 0B24110A | RF 10 1/2W J |
| R718,719 818,819 | 0B22700A | RM 3.32 1/4W F |
| R721,722 821,822 | 0B24094A | RC 1 5W K |
| R741,841 | 0B24112A | RF 5.6 1W J |
| R743,843 | 0B22457A | RM 100K 1/6W F |
| R750,850 | 0B01683A | RK 15K 1/4W J |
| C701,801 | 0B41213A | CP 330P 100V J |
| C702,802 | 0B40421A | CE 220μ 25V (LN) |
| C703,803 | 0B41225A | CP 1000P 100V J |
| C704,705 804,805 | 0B41702A | CSP 22P 50V J |
| C706,806 | 0B41594A | CM 0.1μ 100V J |
| C707,807 | 0B09816A | CE 10μ 16V (LN) |
| TP4L,4R | 0B81634A | 2P-T Post |
| | — Miscellaneous — | |
| | 0B60377F | Main P.C.B. |
| Q709,809 | 0B06303A | TR 2SB772 (P,Q) |
| Q710,810 | 0B10121A | TR 2SD1407 |
| Q711,811 | 0B10120A | TR 2SB1016 |
| Q712,812 | 0B10178A | TR 2SA1386 (P,Y) |
| Q713,813 | 0B10180A | TR 2SC3519 (P,Y) |
| TH901 | 0B19004A | Thermistor 50KD-5 |
| | 0B90201A | Insulator (2) |
| | 0E00868A | BT3x8 ⊕ Binding (4) |
| | 0E03138A | M3x10 ⊕ Binding (10) |
| | 0B82748B | PD Connector (1) |
| | 0J05199A | Heat Sink (1) |
| | 0J05205A | Heat Sink Holder A (1) |
| | 0J05207A | Main P.C.B. Holder (1) |
| | 0J05212C | Thermistor Holder (1) |
| | 0E00607A | M3x8 ⊕ Pan (3A) (2) |
| | 0B81596A | Antenna Terminal (1) |
| | 0B90019A | SK Binder (1) |
| | BA06317A | Eq. Sub P.C.B. Ass'y |
| | 0B60394B | Eq. Sub P.C.B. |
| Q106,206 | 0B06299A | TR 2SC2878 |
| Q107 | 0B10050A | TR 2SA970 (BL) |
| ZD103 | 0B12321A | ZD 15V MTZ15C |
| R156,256 | 0B09677A | RK 1K 1/6W J |
| R157,257 | 0B09749A | RK 1M 1/6W J |
| R158,159 | 0B09725A | RK 100K 1/6W J |
| R160 | 0B09737A | RK 330K 1/6W J |
| CN34 | 0B81631A | 10P Connector |

### 5.14. Eq. Sub P.C.B. Ass'y

Note: This P.C.B. Ass'y is included in the Eq. Amp. section of the Main P.C.B. Ass'y.

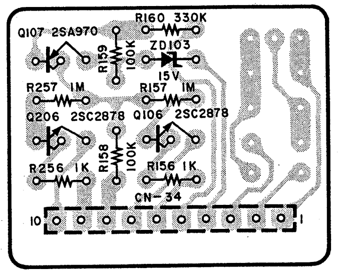


Fig. 5.14

### (2) 1st Version

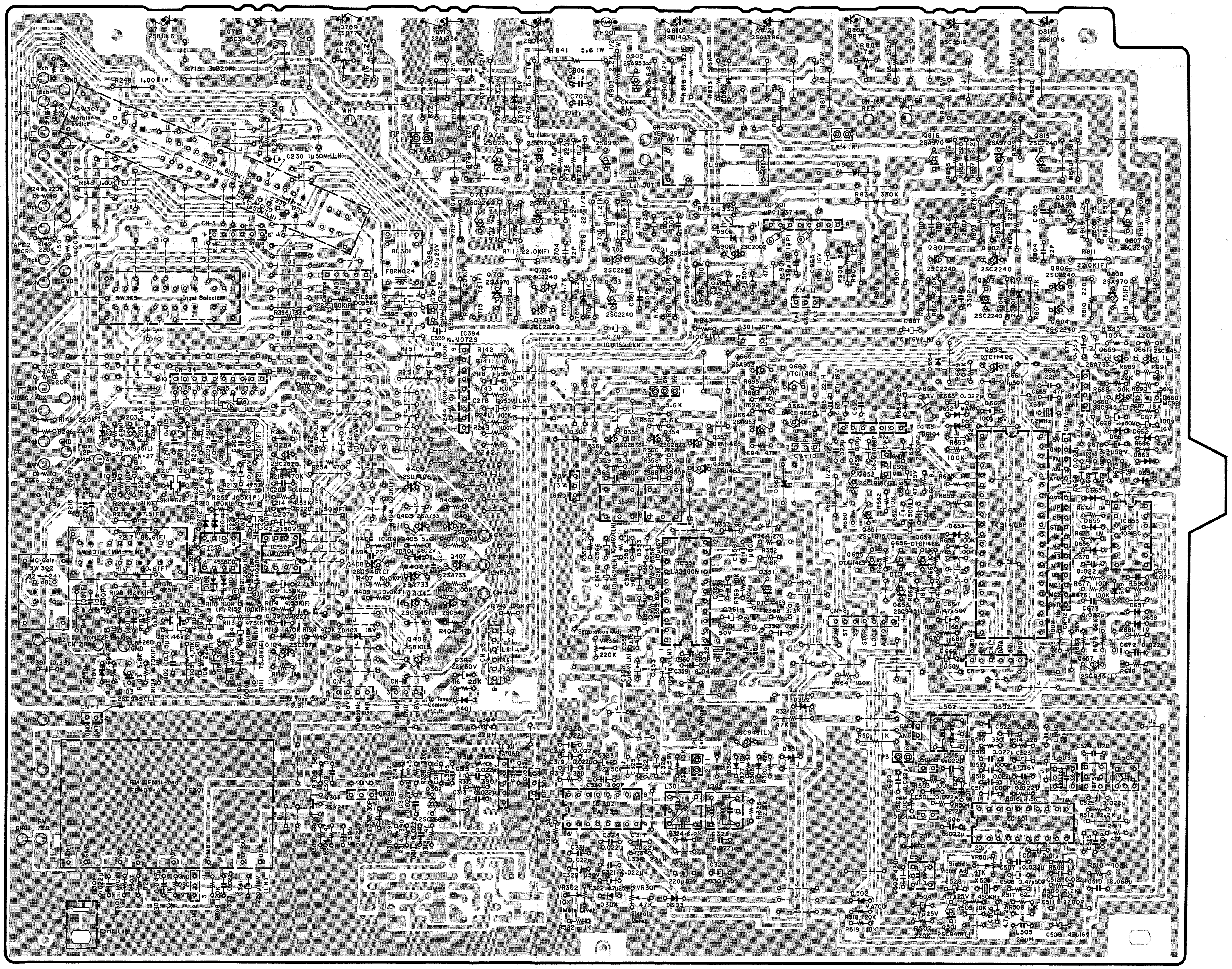

SW307 Monitor Switch
SW305 Input Selecter
SW301 (MM ↔ MC)
MC Gain SW302
PLAY
TAPE
REC
TAPE 2 / VCR
VIDEO / AUX
CD
GND
FM Front-end FE407-A16 FE301
AM
FM 75Ω
Earth Lug
RL301 FBRN024
RL901
IC901 μPC1237H
IC394 NJM072S
IC391 NJM4558DD
IC392 NJM072DE
IC351 LA3400N
IC301 TA7060
IC302 LA1235
IC501 LA1247
IC651 TD6104
IC652 TC9147BP
F301 ICP-N5
TH901
To Tone Control P.C.B.
Separation Adj
Mute Level
Signal Meter
Signal Meter Adj
Center Voltage
CN-1
CN-3
CN-4
CN-7
CN-8
CN-9
CN-10
CN-11
CN-12
CN-13
CN-14
CN-15A RED
CN-15B WHT
CN-16A RED
CN-16B WHT
CN-22
CN-23A YEL Rch OUT
CN-23B GRY Lch OUT
CN-23C BLK
CN-24A
CN-24B
CN-24C
CN-27
CN-28A
CN-28B
CN-30
CN-32
CN-34
TP1
TP2
TP3
TP4 (L)
TP4 (R)

Fig. 5.13.1.2 1st Version (For SR-3 (Canada) & SR-3A)

| Schematic Ref. No. | Part No. | Description |
|---|---|---|
| | **BA06237A** | **Main P.C.B. Ass'y (SR-3 (Canada) & SR-3A) 1st Version** |
| | — FM — | |
| IC301 | 0B11156A | IC TA7060AP |
| IC302 | 0B11157A | IC LA1235 |
| Q301 | 0B10127A | FET 2SK241 (GR) |
| Q302 | 0B10174A | TR 2SC2669 (O,Y) |
| Q303 | 0B01872A | TR 2SC945L (P,O) |
| D303-306 | 0B06398A | SiD 1SS176 (4) |
| L301 | 0B51240A | FM Det. Coil A |
| L302 | 0B51241A | FM Det. Coil B |
| L304,305<br>306,310 | 0B51239A | Micro Coil 22µH |
| VR301 | 0B32084A | Semi VR 47K |
| VR302 | 0B32080A | Semi VR 10K |
| R301 | 0B09725A | RK 100K 1/6W J |
| R303 | 0B09745A | RK 680K 1/6W J |
| R304,313 | 0B09645A | RK 47 1/6W J |
| R305 | 0B09671A | RK 560 1/6W J |
| R307 | 0B09723A | RK 82K 1/6W J |
| R308 | 0B09727A | RK 120K 1/6W J |
| R310,314<br>315,316 | 0B09667A | RK 390 1/6W J |
| R311 | 0B09698A | RK 7.5K 1/6W J |
| R312 | 0B09686A | RK 2.4K 1/6W J |
| R319,328 | 0B09665A | RK 330 1/6W J |
| R320 | 0B09717A | RK 47K 1/6W J |
| R321 | 0B05641A | RK 47K 1/4W J |
| R322,329 | 0B09677A | RK 1K 1/6W J |
| R323 | 0B09719A | RK 56K 1/6W J |
| R324 | 0B09699A | RK 8.2K 1/6W J |
| R325,327 | 0B09701A | RK 10K 1/6W J |
| R326 | 0B09685A | RK 2.2K 1/6W J |
| CF301,302 | 0B41700A | Ceramic Filter SFE10.7MX2H-A |
| CT332 | 0B41614A | C Trimmer 30P |
| C301,303<br>305,309<br>310,311<br>313,314<br>315,318<br>319,320<br>321,324<br>325,328<br>331 | 0B41554A | CC 0.022µ 25V Z |
| C302 | 0B41294A | CMM 0.047µ 50V J |
| C312,317 | 0B41290A | CMM 0.022µ 50V J |
| C316 | 0B40079A | CE 220µ 16V |
| C322 | 0B01402A | CE 4.7µ 25V |
| C323 | 0B09372A | CE 2.2µ 50V |
| C326,329 | 0B01405A | CE 1µ 50V |
| C327 | 0B40066A | CE 330µ 10V |
| C330 | 0B41071A | CC 100P 50V J |
| C341 | 0B40420A | CE 220µ 16V (LN) |
| F301 | 0B11248A | IC Protector ICP-N5 |
| FE301 | 0B91016A | Front-end FE407-A16 |
| CN2 | 0B82792A | 3P Connector W240 |
| CN7 | 0B82795A | 3P Connector 370 |
| TP1 | 0B81634A | 2P-T Post |
| | 0E03355A | Earth Lug (1) |
| | — AM — | |
| IC501 | 0B11243A | IC LA1247 |
| Q501 | 0B01872A | TR 2SC945L (P,Q) |
| Q502 | 0B06129A | FET 2SK117 (Y) |
| D501 | 0B12386A | Varicap KV1226Y |
| D502 | 0B12363A | SiD MA700 |
| L501 | 0B51235A | Osc. Coil |
| L502 | 0B51236A | Ant. Coil |
| L503 | 0B51234A | IFT 2 AM |
| L504 | 0B51233A | IFT 1 AM |
| L505,506 | 0B51239A | Micro Coil 22µH |
| VR501 | 0B32084A | Semi VR 47K |
| R501 | 0B01857A | RK 1K 1/4W J |
| R502,503<br>510 | 0B09725A | RK 100K 1/6W J |
| R504,509<br>512 | 0B09685A | RK 2.2K 1/6W J |
| R505,506<br>519 | 0B09701A | RK 10K 1/6W J |
| R507 | 0B09733A | RK 220K 1/6W J |
| R508 | 0B09677A | RK 1K 1/6W J |
| R511 | 0B09669A | RK 470 1/6W J |
| R514 | 0B09661A | RK 220 1/6W J |
| R515 | 0B09665A | RK 330 1/6W J |
| R516 | 0B09681A | RK 1.5K 1/6W J |
| R517 | 0B09648A | RK 62 1/6W J |
| R518 | 0B09708A | RK 20K 1/6W J |
| CF502 | 0B41701A | Ceramic Filter SFZ450G3L |
| CT526,527 | 0B42005A | C Trimmer 20P |
| C501,506<br>507,512<br>515,518<br>519,520<br>522,525 | 0B41554A | CC 0.022µ 25V |
| C502 | 0B41401A | CP 430P 50V J |
| C504,505<br>528 | 0B01402A | CE 4.7µ 25V |
| C508 | 0B40111A | CE 0.47µ 50V |
| C509,523 | 0B01403A | CE 47µ 16V |
| C510 | 0B41296A | CMM 0.068µ 50V J |
| C511 | 0B09586A | CC 2200P 50V K |
| C513,517<br>521 | 0B09288A | CC 1000P 50V K |
| C514 | 0B41553A | CC 0.01µ 25V |
| C524 | 0B41711A | CC 82P 50V K |
| X501 | 0B92003A | Crystal 450kHz BFU450C4N |
| CN1 | 0B82791A | 2P Connector 250mm |
| TP3 | 0B81634A | 2P-T Post |
| | — MPX — | |
| IC351 | 0B11245A | IC LA3400N |
| Q351 | 0B10062A | TR DTC144ES |
| Q352,353 | 0B10058A | TR DTA114ES |
| Q354,355 | 0B06299A | TR 2SC2878 |
| D351,352<br>353 | 0B06398A | SiD 1SS176 |
| L351,352 | 0B51237A | MPX Filter |
| VR351 | 0B32066A | Semi VR 220K |
| R352,353 | 0B09721A | RK 68K 1/6W J |
| R354,355 | 0B09723A | RK 82K 1/6W J |
| R356-359<br>368 | 0B09689A | RK 3.3K 1/6W J (5) |
| R360,361 | 0B09685A | RK 2.2K 1/6W J |
| R362,363 | 0B09695A | RK 5.6K 1/6W J |
| R364 | 0B09663A | RK 270 1/6W J |
| R369 | 0B09701A | RK 10K 1/6W J |
| C351 | 0B40418A | CE 330µ 16V (LN) |
| C352 | 0B41290A | CMM 0.022µ 50V J |
| C353,354<br>366,367 | 0B09816A | CE 10µ 16V (LN) |
| C355,358<br>362 | 0B01405A | CE 1µ 50V |
| C356,357 | 0B01412A | CE 10µ 16V |
| C359 | 0B41555A | CC 0.047µ 25V |
| C360 | 0B09287A | CC 680P 50V K |
| C361 | 0B40023A | CE 0.22µ 50V |
| C364,365 | 0B41409A | CP 910P 50V J |
| C368,369 | 0B41281A | CMM 3900P 50V J |
| X351 | 0B90172A | Ceramic Filter CSB456F11 |
| TP2 | 0B81635A | 3P-T Post |
| | — Sync. Cont. — | |
| IC651 | 0B11159A | IC TD6104 |
| IC652 | 0B11161A | IC TC9147BP |
| IC653 | 0B06219A | IC µPD4081BC |
| Q651,652 | 0B10088A | TR 2SC1815L |
| Q653,657<br>660,661 | 0B01872A | TR 2SC945L (P,Q) |
| Q654,656<br>658,662<br>663 | 0B10068A | TR DTC114ES |
| Q655 | 0B10058A | TR DTA114ES |
| Q659 | 0B06013A | TR 2SA733 (P,Q) |
| Q664,665 | 0B06372A | TR 2SA953 (K,L) |
| D301,664<br>666 | 0B06181A | SiD 1SS53 |
| D651<br>653-659<br>661,662<br>663,665 | 0B06398A | SiD 1SS176 (12) |
| D652 | 0B12363A | SiD MA700 |
| D660 | 0B12100A | SiD MC921 |
| L651 | 0B51239A | Micro Coil 22µH |
| X651 | 0B92006A | Crystal 7.2MHz |
| R653,656<br>657,664<br>667,669<br>672,676<br>677,683<br>685,688 | 0B09725A | RK 100K 1/6W J |
| R654 | 0B09661A | RK 220 1/6W J |
| R655,660 | 0B09677A | RK 1K 1/6W J |
| R658,662<br>665,678<br>692,693 | 0B09701A | RK 10K 1/6W J |
| R661 | 0B09699A | RK 8.2K 1/6W J |
| R663 | 0B24114A | RF 1K 1/2W J |
| R666,687 | 0B09707A | RK 18K 1/6W J |
| R670,671<br>691 | 0B09721A | RK 68K 1/6W J |
| R673,679<br>682,690 | 0B09719A | RK 56K 1/6W J |
| R674,675<br>680,681 | 0B09749A | RK 1M 1/6W J |
| R684 | 0B09727A | RK 120K 1/6W J |
| R686 | 0B09693A | RK 4.7K 1/6W J |
| R689 | 0B09709A | RK 22K 1/6W J |
| R694,695 | 0B09717A | RK 47K 1/6W J |
| C651 | 0B01403A | CE 47µ 16V |
| C652,663<br>668-673<br>679 | 0B41554A | CC 0.022µ 25V (9) |
| C653 | 0B41187A | CC 39P 50V J |
| C654 | 0B09586A | CC 2200P 50V K |
| C655 | 0B09288A | CC 1000P 50V K |
| C656 | 0B40103A | CE 47µ 35V |
| C657 | 0B09327A | CE 0.33µ 50V (LN) |
| C658 | 0B41298A | CMM 0.1µ 50V J |
| C659 | 0B41553A | CC 0.01µ 25V |
| C661,666<br>674,678 | 0B01405A | CE 1µ 50V |
| C662,677 | 0B01400A | CE 100µ 16V |
| C664 | 0B41708A | CC 22P 50V J |
| C665 | 0B41709A | CC 47P 50V J |
| C667 | 0B40111A | CE 0.47µ 50V |
| C675 | 0B41304A | CMM 0.33µ 50V J |
| C676 | 0B01863A | CE 3.3µ 50V |
| M651 | 0B90200B | Lithium Battery 3V CR2430-FT4-1 |
| CN8 | 0B81639A | 7P-T Post |
| CN9 | 0B81638A | 6P-T Post |
| CN10 | 0B81635A | 3P-T Post |
| CN12 | 0B81644A | 12P-T Post |
| CN13 | 0B81637A | 5P-T Post |
| CN14 | 0B82802A | 4P Connector |
| | — Eq. Amp. — | |
| IC391 | 0B06146A | IC NJM4558DD |
| Q101,102<br>201,202 | 0B10195A | FET 2SK146 (BL,V) |
| Q103,203 | 0B01872A | TR 2SC945L (P,Q) |
| ZD101,201 | 0B12168A | ZD 10V RD10JS-T1B2 |
| D101,102<br>201,202 | 0B06398A | SiD 1SS176 |
| R101,201 | 0B22423A | RM 51.0K 1/6W F |
| R102,202 | 0B22684A | RM 5.62 1/4W F |
| R103,203 | 0B09695A | RK 5.6K 1/6W J |
| R104,105<br>204,205 | 0B09356A | RM 4.7K 1/4W F |
| R106,206 | 0B22039A | RM 22.6 1/6W F |
| R107,207 | 0B22253A | RM 1.69K 1/6W F |
| R108,208 | 0B22635A | RM 1.21K 1/4W F |
| R109,209 | 0B22493A | RM 220K 1/6W F |
| R110,122<br>152,210<br>222,252 | 0B22457A | RM 100K 1/6W F |
| R111,211 | 0B09562A | RM 75.0K 1/4W F |
| R112,212 | 0B22641A | RM 887K 1/4W F |
| R113,213 | 0B22576A | RM 475 1/4W F |
| R115,215 | 0B22567A | RM 100 1/4W F |
| R116,216 | 0B22643A | RM 47.5 1/4W F |
| R117,217 | 0B22104A | RM 80.6 1/6W F |
| C101,201 | 0B41703A | CSP 100P 50V J |
| C102,202 | 0B41585A | CM 0.015µ 100V J |
| C103,104<br>122,203<br>204,222 | 0B09816A | CE 10µ 16V (LN) |
| C105,205 | 0B41238A | CP 3600P 100V J |
| C106,124<br>206,224 | 0B41225A | CP 1000P 100V J |
| C108,208 | 0B41706A | CSP 3600P 50V J |
| C121,221 | 0B40422A | CE 220µ 10V (LN) |
| C391,396 | 0B41304A | CMM 0.33µ 50V J |
| SW301 | 0B70076A | Push Switch 4-2 |
| SW302 | 0B70078A | Slide Switch 4-2 |
| CN34 | 0B82862A | 10P Connector |
| | BA06317A | Eq. Sub P.C.B. Ass'y |
| | — Subsonic Filter — | |
| IC392 | 0B11005A | IC NJM072DE |
| Q104,204 | 0B06299A | TR 2SC2878 |
| ZD403 | 0B12186A | ZD 18V RD18JSB2 |
| D401 | 0B06398A | SiD 1SS176 |
| R114,214 | 0B22303A | RM 4.53K 1/6W F |
| R118,218 | 0B09749A | RK 1M 1/6W J |
| R119,154<br>219 | 0B09741A | RK 470K 1/6W J |
| R120,220 | 0B22247A | RM 1.50K 1/6W F |
| R254 | 0B01684A | RK 470K 1/4W J |
| R416 | 0B09727A | RK 120K 1/6W J |
| C107,207 | 0B09933A | CE 2.2µ 50V (LN) |
| C109,209 | 0B05582A | CM 0.022µ 50V J |
| C392 | 0B40117A | CE 22µ 50V |
| CN4 | 0B81636A | 4P-T Post |
| | — Power Supply — | |
| Q401,403<br>407,409 | 0B06013A | TR 2SA733 (P,Q) |
| Q402,404<br>408 | 0B01872A | TR 2SC945L (P,Q) |
| Q405 | 0B06452A | TR 2SD1406 (Y) |
| Q406 | 0B06451A | TR 2SB1015 (Y) |
| ZD401 | 0B12162A | ZD 8.2V RD8.2JS-T1B2 |
| R401,402 | 0B09725A | RK 100K 1/6W J |
| R403,404 | 0B09669A | RK 470 1/6W J |
| R405 | 0B09695A | RK 5.6K 1/6W J |
| R406,407<br>408,409 | 0B22343A | RM 10.0K 1/6W F |
| C394,395 | 0B41507A | C 22P 50V J |
| CN3 | 0B81635A | 3P-T Post |
| | 0B08680B | Heat Sink A (2) |
| | 0E00972A | Nut Hex. M3 (2) |
| | 0E03319A | M3x8 ⊕ Binding (2) |
| | — Tuner Buffer — | |
| IC394 | 0B11070A | IC NJM072S |
| R141-144<br>241-244 | 0B01889A | RK 100K 1/4W J (8) |
| R151,251 | 0B01857A | RK 1K 1/4W J |
| C118,218 | 0B09814A | CE 1µ 50V (LN) |
| | — Input Sel. — | |
| R145,146<br>147,149<br>245,246<br>247,249 | 0B09733A | RK 220K 1/6W J |
| R148,150<br>248,250 | 0B22229A | RM 1.00K 1/6W F |
| R161 | 0B22324A | RM 6.80K 1/6W F |
| R261 | 0B09529A | RM 6.8K 1/4W F |
| R391 | 0B09681A | RK 1.5K 1/4W J |
| R395 | 0B05794A | RK 680 1/4W J |
| R396 | 0B05509A | RK 33K 1/4W J |
| C130,230 | 0B09814A | CE 1µ 50V (LN) |
| C339,399 | 0B41298A | CMM 0.1µ 50V J |
| C397 | 0B40120A | CE 100µ 50V |
| C398 | 0B01674A | CE 10µ 25V |
| RL301 | 0B90204A | Relay FBR42ND024P |
| SW305 | 0B70082A | Rotary Slide Switch 4-4 |
| SW307 | 0B70083A | Rotary Slide Switch 8-6 |
| CN5,6 | 0B81013A | Dip Mate 6P |
| CN27A | 0B82750A | PD Connector V80 |
| CN27B<br>28B,32 | 0B82751A | PD Connector V80 |
| CN28A | 0B82752A | PD Connector V80 |
| CN30 | 0B82806A | 5P Connector |
| | 0B81020A | 2P Pin Jack (1) |
| | 0B81593A | 4P Pin Jack (3) |
| | — Protector — | |
| IC901 | 0B11246A | IC µPC1237H |
| Q714,716<br>814,816 | 0B10050A | TR 2SA970 (BL) |
| Q715,815 | 0B06142A | TR 2SC2240 (BL) |
| Q901 | 0B06322A | TR 2SC2002 (K,L) |
| Q902 | 0B06372A | TR 2SA953 (K,L) |
| ZD702,802 | 0B12390A | ZD 13V RD13EB3 |
| ZD901 | 0B06123A | ZD 12V RD12EB3 |
| D901,902 | 0B06181A | SiD 1SS53 |
| R733,833 | 0B01681A | RK 3.3K 1/4W J |
| R734,740<br>834,840 | 0B05627A | RK 330K 1/4W J |
| R735,737<br>835,837 | 0B01856A | RK 8.2K 1/4W J |
| R736,836 | 0B05625A | RK 220K 1/4W J |
| R739,839 | 0B05621A | RK 120K 1/4W J |
| R901 | 0B01888A | RK 10K 1/4W J |
| R902 | 0B01682A | RK 6.8K 1/4W J |
| R903 | 0B24113A | RF 2.2K 1/2W J |
| R904 | 0B05641A | RK 47K 1/4W J |
| R905 | 0B01933A | RK 220 1/4W J |
| R906 | 0B01889A | RK 100K 1/4W J |
| R907 | 0B09263A | RK 12K 1/4W J |
| R908 | 0B05508A | RK 56K 1/4W J |
| R909 | 0B24107A | RF 1K 2W J |
| C901 | 0B40408A | CE 330µ 10V (BP) |
| C902 | 0B40116A | CE 10µ 50V |
| C903 | 0B09372A | CE 2.2µ 50V |
| C905 | 0B01400A | CE 100µ 16V |
| RL901 | 0B90199A | Relay 24V |
| CN11 | 0B82799A | 3P Connector |
| | — Power Amp. — | |
| Q701-704<br>706,707<br>801-804<br>806,807 | 0B06142A | TR 2SC2240 (BL) (12) |
| Q705,708<br>805,808 | 0B10050A | TR 2SA970 (BL) |
| ZD701,801 | 0B06418A | ZD 8.2V RD8.2JB2 |
| VR701,801 | 0B32078A | Semi VR 4.7K |
| R701,711<br>801,811 | 0B09441A | RM 22K 1/4W F |
| R702,713<br>714,802<br>813,814 | 0B09420A | RM 2.2K 1/4W F |
| R703,803 | 0B09421A | RM 2.67K 1/4W F |
| R704,804 | 0B01857A | RK 1K 1/4W J |
| R705,805 | 0B22635A | RM 1.21K 1/4W F |
| R706,806 | 0B24111A | RF 22K 1/2W J |
| R707,807 | 0B01846A | RK 4.7K 1/4W J |
| R708,808 | 0B05959A | RK 75 1/4W J |
| R709,809 | 0B05623A | RK 1.2K 1/4W J |
| R710,810 | 0B01933A | RK 220 1/4W J |
| R712,715<br>812,815 | 0B22632A | RM 75 1/4W F |
| R716,816 | 0B05622A | RK 2.2K 1/4W J |
| R717,720<br>817,820 | 0B24110A | RF 10 1/2W J |
| R718,719<br>818,819 | 0B22700A | RM 3.32 1/4W F |
| R721,722<br>821,822 | 0B24094A | RC 1 5W K |
| R741,841 | 0B24112A | RF 5.6 1W J |
| R743,843 | 0B22457A | RM 100K 1/6W F |
| C701,703<br>801,803 | 0B41213A | CP 330P 100V J |
| C702,802 | 0B40421A | CE 220µ 25V (LN) |
| C704,705<br>804,805 | 0B41702A | CSP 22P 50V J |
| C706,806 | 0B41594A | CM 0.1µ 100V J |
| C707,807 | 0B09816A | CE 10µ 16V (LN) |
| TP4L,4R | 0B81634A | 2P-T Post |
| | — Miscellaneous — | |
| | 0B60377A | Main P.C.B. |
| Q709,809 | 0B06303A | TR 2SB772 (P,Q) |
| Q710,810 | 0B10121A | TR 2SD1407 |
| Q711,811 | 0B10120A | TR 2SB1016 |
| Q712,812 | 0B10178A | TR 2SA1386 (P,Y) |
| Q713,813 | 0B10180A | TR 2SC3519 (P,Y) |
| TH901 | 0B19004A | Thermistor 50KD-5 |
| | 0B90201A | Insulator (2) |
| | 0B90210A | Insu-Lock (3) |
| | 0E00868A | BT3x8 ⊕Pan (7) |
| | 0E03138A | M3x10 ⊕Pan (Nickel) (10) |
| | 0J05199A | Heat Sink (1) |
| | 0J05205A | Heat Sink Holder A (1) |
| | 0J05207A | Main P.C.B. Holder (2) |
| | 0J05212C | Thermistor Holder (1) |
| | 0E00606A | M3x6 ⊕Pan (3A) (2) |
| | 0B81596A | Antenna Terminal (1) |
| | 0B90019A | SK Binder (1) |
| | **BA06317A** | **Eq. Sub P.C.B. Ass'y** |
| | 0B60394B | Eq. Sub P.C.B. |
| Q106,206 | 0B06299A | TR 2SC2878 |
| Q107 | 0B10050A | TR 2SA970 (BL) |
| ZD103 | 0B12321A | ZD 15V MTZ15C |
| R156,256 | 0B09677A | RK 1K 1/6W J |
| R157,257 | 0B09749A | RK 1M 1/6W J |
| R158,159 | 0B09725A | RK 100K 1/6W J |
| R160 | 0B09737A | RK 330K 1/6W J |
| CN34 | 0B81631A | 10P Connector |

### 5.14. Eq. Sub P.C.B. Ass'y

Note: This P.C.B. Ass'y is included in the Eq. Amp. section of the Main P.C.B. Ass'y.

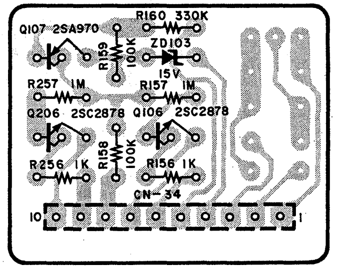


Fig. 5.14

## 5.13.2. For SR-3 (Other & Australia)

### (1) 2nd Version

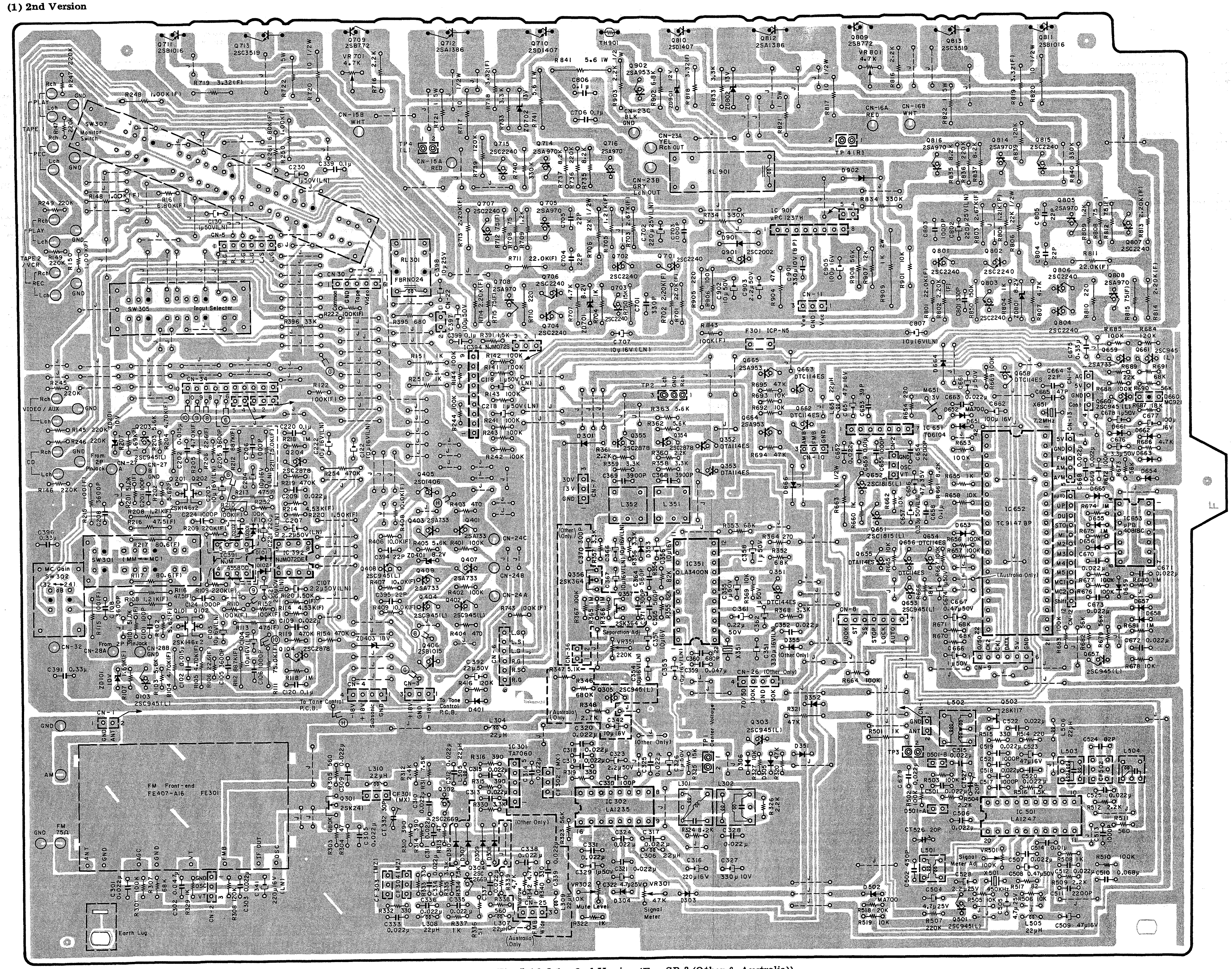

Rch
Lch
PLAY
TAPE
REC
GND
SW307 Monitor Switch
TAPE 2 /VCR
SW305 Input Selecter
VIDEO / AUX
CD
SW301 MM MC
MC Gain SW302
CN-32
CN-1
ANT
AM
FM 75Ω
FM Front-end FE407-A16 FE301
Earth Lug
IC301 TA7060
IC302 LA1235
IC351 LA3400N
IC651
TC9147BP
IC501 LA1247
RL901
RL301
F301 ICP-N5
TH901
To Tone Control P.C.B.
Australia Only
Other Only
Mute Level
Signal Meter
Separation Adj
Center Voltage
Signal Meter Adj
TP1
TP2
TP3
TP4
CN-15A RED
CN-15B WHT
CN-16A RED
CN-16B WHT
CN-23A YEL Rch OUT
CN-23B GRY Lch OUT
CN-23C BLK GND
Q711 2SB1016
Q713 2SC3519
Q709 2SB772
Q712 2SA1386
Q710 2SD1407
Q810 2SD1407
Q812 2SA1386
Q809 2SB772
Q813 2SC3519
Q811 2SB1016
VR701 4.7K
VR801 4.7K

Fig. 5.13.2.1 2nd Version (For SR-3 (Other & Australia))

Note: For Australia, D309, D310, and pins 1 and 2 of CN-25 are shorted with jumper wires.

| Schematic Ref. No. | Part No. | Description |
|---|---|---|
| | BA06239A | Main P.C.B. Ass'y (SR-3 (Other)) 2nd Version |
| | — FM — | |
| IC301 | 0B11156A | IC TA7060AP |
| IC302 | 0B11157A | IC LA1235 |
| Q301 | 0B10127A | FET 2SK241 (GR) |
| Q302,304 | 0B10174A | TR 2SC2669 (O,Y |
| Q303 | 0B01872A | TR 2SC945L (P,O |
| D303-306 | 0B06398A | SiD 1SS176 (4) |
| D307-310 | 0B06181A | SiD 1SS53 (4) |
| L301 | 0B51240A | FM Det. Coil A |
| L302 | 0B51241A | FM Det. Coil B |
| L304-310 | 0B51239A | Micro Coil 22μH (7) |
| VR301 | 0B32084A | Semi VR 47K |
| VR302 | 0B32080A | Semi VR 10K |
| R301 | 0B09725A | RK 100K 1/6W J |
| R303 | 0B09745A | RK 680K 1/6W J |
| R304,313 | 0B09645A | RK 47 1/6W J |
| R305,338 | 0B09671A | RK 560 1/6W J |
| R307 | 0B09721A | RK 68K 1/6W J |
| R308 | 0B09727A | RK 120K 1/6W J |
| R310,314<br>315,316 | 0B09667A | RK 390 1/6W J |
| R311,334 | 0B09698A | RK 7.5K 1/6W J |
| R312 | 0B09686A | RK 2.4K 1/6W J |
| R319,332<br>333,340 | 0B09665A | RK 330 1/6W J |
| R320 | 0B09717A | RK 47K 1/6W J |
| R321 | 0B05641A | RK 47K 1/4W J |
| R322,329<br>337 | 0B09677A | RK 1K 1/6W J |
| R323 | 0B09719A | RK 56K 1/6W J |
| R324 | 0B09699A | RK 8.2K 1/6W J |
| R325 | 0B09705A | RK 15K 1/6W J |
| R326 | 0B09685A | RK 2.2K 1/6W J |
| R327 | 0B09701A | RK 10K 1/6W J |
| R330,335 | 0B09689A | RK 3.3K 1/6W J |
| R336 | 0B09646A | RK 51 1/6W J |
| R339,342 | 0B09693A | RK 4.7K 1/6W J |
| CF301,302 | 0B41818A | Ceramic Filter SFE10.7MX2K-A |
| CF303,304 | 0B41746A | Ceramic Filter SFE10.7MS3GH15 |
| CT332 | 0B41614A | C Trimmer 30P |
| C301,303<br>305,309<br>310,311<br>313,314<br>315,318<br>319,320<br>321,324<br>325,328<br>331<br>333-339 | 0B41554A | CC 0.022μ 25V Z (24) |
| C302 | 0B41294A | CMM 0.047μ 50V J |
| C312,317 | 0B41290A | CMM 0.022μ 50V J |
| C316 | 0B40079A | CE 220μ 16V |
| C322 | 0B01402A | CE 4.7μ 25V |
| C323 | 0B09372A | CE 2.2μ 50V |
| C326,329 | 0B01405A | CE 1μ 50V |
| C327 | 0B40066A | CE 330μ 10V |
| C330 | 0B41071A | CC 100P 50V J |
| C341 | 0B40420A | CE 220μ 16V (LN |
| F301 | 0B11248A | IC Protector ICP-N |
| FE301 | 0B91016A | Front-end FE407-A16 |
| CN2 | 0B82792A | 3P Connector W240 |
| CN7 | 0B82795A | 3P Connector 370 |
| CN25 | 0B81635A | 3P-T Post |
| TP1 | 0B81634A | 2P-T Post |
| | 0E03355A | Earth Lug (1) |
| | — AM — | |
| IC501 | 0B11243A | IC LA1247 |
| Q501 | 0B01872A | TR 2SC945L (P,Q |
| Q502 | 0B06129A | FET 2SK117 (Y) |
| D501 | 0B12386A | Varicap KV1226Y |
| D502 | 0B12363A | SiD MA700 |
| L501 | 0B51235A | Osc. Coil |
| L502 | 0B51236A | Ant. Coil |
| L503 | 0B51234A | IFT 2 AM |
| L504 | 0B51233A | IFT 1 AM |
| L505,506 | 0B51239A | Micro Coil 22μH |
| VR501 | 0B32086A | Semi VR 100K |
| R501 | 0B01857A | RK 1K 1/4W J |

| Schematic Ref. No. | Part No. | Description |
|---|---|---|
| R502,503 510 | 0B09725A | RK 100K 1/6W J |
| R504,509 512 | 0B09685A | RK 2.2K 1/6W J |
| R505,506 519 | 0B09701A | RK 10K 1/6W J |
| R507 | 0B09733A | RK 220K 1/6W J |
| R508 | 0B09677A | RK 1K 1/6W J |
| R511 | 0B09671A | RK 560 1/6W J |
| R514 | 0B09661A | RK 220 1/6W J |
| R515 | 0B09665A | RK 330 1/6W J |
| R516 | 0B09681A | RK 1.5K 1/6W J |
| R517 | 0B09651A | RK 82 1/6W J |
| R518 | 0B09708A | RK 20K 1/6W J |
| CF502 | 0B41701A | Ceramic Filter SFZ450G3L |
| CT526,527 | 0B42005A | C Trimmer 20P |
| C501,506 507,512 515,518 519,520 522,525 | 0B41554A | CC 0.022μ 25V |
| C502 | 0B41401A | CP 430P 50V J |
| C504,505 | 0B01402A | CE 4.7μ 25V |
| C508 | 0B40111A | CE 0.47μ 50V |
| C509,523 | 0B01403A | CE 47μ 16V |
| C510 | 0B41296A | CMM 0.068μ 50V J |
| C511 | 0B09586A | CC 2200P 50V K |
| C513,517 521 | 0B09288A | CC 1000P 50V K |
| C514 | 0B41553A | CC 0.01μ 25V |
| C524 | 0B41711A | CC 82P 50V K |
| C528 | 0B09372A | CE 2.2μ 50V |
| X501 | 0B92003A | Crystal 450kHz BFU450C4N |
| CN1 | 0B82791A | 2P Connector 250mm |
| TP3 | 0B81634A | 2P-T Post |
| | — MPX — | |
| IC351 | 0B11245A | IC LA3400N |
| Q351 | 0B10062A | TR DTC144ES |
| Q352,353 | 0B10058A | TR DTA114ES |
| Q354,355 | 0B06299A | TR 2SC2878 |
| Q356,357 | 0B10151A | FET 2SK364 |
| D351,352 353,355 | 0B06398A | SiD 1SS176 |
| L351,352 | 0B51237A | MPX Filter |
| VR351 | 0B32066A | Semi VR 220K |
| R352,353 | 0B09721A | RK 68K 1/6W J |
| R354,355 | 0B09723A | RK 82K 1/6W J |
| R356-359 368 | 0B09689A | RK 3.3K 1/6W J (5) |
| R360,361 | 0B09685A | RK 2.2K 1/6W J |
| R362,363 | 0B09695A | RK 5.6K 1/6W J |
| R364 | 0B09663A | RK 270 1/6W J |
| R365,366 | 0B09749A | RK 1M 1/6W J |
| R367 | 0B09725A | RK 100K 1/6W J |
| R369 | 0B09701A | RK 10K 1/6W J |
| C351 | 0B40418A | CE 330μ 16V (LN) |
| C352 | 0B41290A | CMM 0.022μ 50V J |
| C353,354 366,367 | 0B09816A | CE 10μ 16V (LN) |
| C355,358 362 | 0B01405A | CE 1μ 50V |
| C356,357 | 0B01412A | CE 10μ 16V |
| C359 | 0B41555A | CC 0.047μ 25V |
| C360 | 0B09287A | CC 680P 50V K |
| C361 | 0B40023A | CE 0.22μ 50V |
| C364,365 | 0B41404A | CP 560P 50V J |
| C368,369 | 0B41281A | CMM 3900P 50V J |
| C370,371 | 0B41397A | CP 300P 50V J |
| X351 | 0B90172A | Ceramic Filter CSB456F11 |
| CN26 | 0B81636A | 4P-T Post |
| CN36 | 0B81634A | 2P-T Post |
| TP2 | 0B81635A | 3P-T Post |
| | — Sync. Cont. — | |
| IC651 | 0B11159A | IC TD6104 |
| IC652 | 0B11161A | IC TC9147BP |
| IC653 | 0B06219A | IC μPD4081BC |
| Q651,652 | 0B10088A | TR 2SC1815L |
| Q653,657 660,661 | 0B01872A | TR 2SC945L (P,Q) |
| Q654,656 658,662 663 | 0B10068A | TR DTC114ES |
| Q655 | 0B10058A | TR DTA114ES |
| Q659 | 0B06013A | TR 2SA733 (P,Q) |
| Q664,665 | 0B06372A | TR 2SA953 (K,L) |
| D301,664 666 | 0B06181A | SiD 1SS53 |
| D651 653-659 661,662 663,665 | 0B06398A | SiD 1SS176 (12) |
| D652 | 0B12363A | SiD MA700 |
| D660 | 0B12100A | SiD MC921 |
| L651 | 0B51239A | Micro Coil 22μH |
| X651 | 0B92006A | Crystal 7.2MHz |
| R653,656 657,664 667,669 672,676 677,683 685,688 | 0B09725A | RK 100K 1/6W J |
| R654 | 0B09661A | RK 220 1/6W J |
| R655,660 | 0B09677A | RK 1K 1/6W J |
| R658,662 665,678 692,693 | 0B09701A | RK 10K 1/6W J |
| R661 | 0B09699A | RK 8.2K 1/6W J |
| R663 | 0B24114A | RF 1K 1/2W J |
| R666,687 | 0B09707A | RK 18K 1/6W J |
| R670,671 691 | 0B09721A | RK 68K 1/6W J |
| R673,679 682,690 | 0B09719A | RK 56K 1/6W J |
| R674,675 680,681 | 0B09749A | RK 1M 1/6W J |
| R684 | 0B09727A | RK 120K 1/6W J |
| R686 | 0B09693A | RK 4.7K 1/6W J |
| R689 | 0B09709A | RK 22K 1/6W J |
| R694,695 | 0B09717A | RK 47K 1/6W J |
| C651 | 0B01403A | CE 47μ 16V |
| C652,663 668-673 679 | 0B41554A | CC 0.022μ 25V (9) |
| C653 | 0B41187A | CC 39P 50V J |
| C654 | 0B09586A | CC 2200P 50V K |
| C655 | 0B09288A | CC 1000P 50V K |
| C656 | 0B40103A | CE 47μ 35V |
| C657 | 0B09327A | CE 0.33μ 50V (LN) |
| C658 | 0B41298A | CMM 0.1μ 50V J |
| C659 | 0B41553A | CC 0.01μ 25V |
| C661,666 674,678 | 0B01405A | CE 1μ 50V |
| C662,677 | 0B01400A | CE 100μ 16V |
| C664 | 0B41708A | CC 22P 50V J |
| C665 | 0B41709A | CC 47P 50V J |
| C667 | 0B40111A | CE 0.47μ 50V |
| C675 | 0B41304A | CMM 0.33μ 50V J |
| C676 | 0B01863A | CE 3.3μ 50V |
| M651 | 0B90200B | Lithium Battery 3V CR2430-FT4-1 |
| CN8 | 0B81639A | 7P-T Post |
| CN9 | 0B81638A | 6P-T Post |
| CN10 | 0B81635A | 3P-T Post |
| CN12 | 0B81644A | 12P-T Post |
| CN13 | 0B81637A | 5P-T Post |
| CN14 | 0B82802A | 4P Connector |
| | — Eq. Amp. — | |
| IC391 | 0B06146A | IC NJM4558DD |
| Q101,102 201,202 | 0B10195A | FET 2SK146 (BL,V) |
| Q103,203 | 0B01872A | TR 2SC945L (P,Q) |
| ZD101,201 | 0B12168A | ZD 10V RD10JS-T1B2 |
| D101,102 201,202 | 0B06398A | SiD 1SS176 |
| R101,201 | 0B22423A | RM 51.0K 1/6W F |
| R102,202 | 0B22684A | RM 5.62 1/4W F |
| R103,203 | 0B09695A | RK 5.6K 1/6W J |
| R104,105 204,205 | 0B09356A | RM 4.7K 1/4W F |
| R106,206 | 0B22039A | RM 22.6 1/6W F |
| R107,207 | 0B22253A | RM 1.69K 1/6W F |
| R108,208 | 0B22635A | RM 1.21K 1/4W F |
| R109,209 | 0B22493A | RM 220K 1/6W F |
| R110,122 152,210 222,252 | 0B22457A | RM 100K 1/6W F |
| R111,211 | 0B09562A | RM 75.0K 1/4W F |
| R112,212 | 0B22641A | RM 887K 1/4W F |
| R113,213 | 0B22576A | RM 475 1/4W F |
| R115,215 | 0B22567A | RM 100 1/4W F |
| R116,216 | 0B22643A | RM 47.5 1/4W F |
| R117,217 | 0B09891A | RM 80.6 1/4W F |
| C101,201 | 0B41703A | CSP 100P 50V J |
| C102,202 | 0B41585A | CM 0.015μ 100V J |
| C103,104 122,203 204,222 | 0B09816A | CE 10μ 16V (LN) |
| C105,205 | 0B41238A | CP 3600P 100V J |
| C106,124 206,224 | 0B41225A | CP 1000P 100V J |
| C108,208 | 0B41706A | CSP 3600P 50V J |
| C121,221 | 0B40422A | CE 220μ 10V (LN) |
| C391,396 | 0B41304A | CMM 0.33μ 50V J |
| SW301 | 0B70076A | Push Switch 4-2 |
| SW302 | 0B70078A | Slide Switch 4-2 |
| CN34 | 0B82862A | 10P Connector |
| | BA06317A | Eq. Sub P.C.B. Ass'y |
| | — Subsonic Filter — | |
| IC392 | 0B11005A | IC NJM072DE |
| Q104,204 | 0B06299A | TR 2SC2878 |
| ZD403 | 0B12186A | ZD 18V RD18JSB2 |
| D401 | 0B06398A | SiD 1SS176 |
| R114,214 | 0B22303A | RM 4.53K 1/6W F |
| R118,218 | 0B09749A | RK 1M 1/6W J |
| R119,154 219 | 0B09741A | RK 470K 1/6W J |
| R120,220 | 0B22247A | RM 1.50K 1/6W F |
| R254 | 0B01684A | RK 470K 1/4W J |
| R416 | 0B09727A | RK 120K 1/6W J |
| C107,207 | 0B09933A | CE 2.2μ 50V (LN) |
| C109,209 | 0B05582A | CM 0.022μ 50V J |
| C120,220 | 0B41298A | CF 0.1μ 50V J |
| C392 | 0B40117A | CE 22μ 50V |
| CN4 | 0B81636A | 4P-T Post |
| | — Power Supply — | |
| Q401,403 407,409 | 0B06013A | TR 2SA733 (P,Q) |
| Q402,404 408 | 0B01872A | TR 2SC945L (P,Q) |
| Q405 | 0B06452A | TR 2SD1406 (Y) |
| Q406 | 0B06451A | TR 2SB1015 (Y) |
| ZD401 | 0B12162A | ZD 8.2V RD8.2JS-T1B2 |
| R401,402 | 0B09725A | RK 100K 1/6W J |
| R403,404 | 0B09669A | RK 470 1/6W J |
| R405 | 0B09695A | RK 5.6K 1/6W J |
| R406,407 408,409 | 0B22343A | RM 10.0K 1/6W F |
| C394,395 | 0B41507A | C 22P 50V J |
| CN3 | 0B81635A | 3P-T Post |
| GJ | 0B82135B | PD Connector V130 |
| HJ | 0B82215A | PD Connector V090 |
| | 0B08680B | Heat Sink A (2) |
| | 0E00972A | Nut Hex. M3 (2) |
| | 0E03319A | M3x8 ⊕ Binding (2) |
| | — Tuner Buffer — | |
| IC394 | 0B11070A | IC NJM072S |
| R141-144 241-244 | 0B01889A | RK 100K 1/4W J (8) |
| R151,251 | 0B01857A | RK 1K 1/4W J |
| C118,218 | 0B09814A | CE 1μ 50V (LN) |
| | — Input Sel. — | |
| R145,146 147,149 245,246 247,249 | 0B09733A | RK 220K 1/6W J |
| R148,248 250 | 0B09491A | RM 1.00K 1/4W F |
| R150 | 0B22229A | RM 1.00K 1/6W F |
| R161 | 0B22324A | RM 6.80K 1/6W F |
| R261 | 0B09529A | RM 6.8K 1/4W F |
| R391 | 0B09681A | RK 1.5K 1/4W J |
| R395 | 0B05794A | RK 680 1/4W J |
| R396 | 0B05509A | RK 33K 1/4W J |
| C130,230 | 0B09814A | CE 1μ 50V (LN) |
| C339,399 | 0B41298A | CMM 0.1μ 50V J |
| C397 | 0B40120A | CE 100μ 50V |
| C398 | 0B01674A | CE 10μ 25V |
| RL301 | 0B90204A | Relay FBR42ND024P |
| SW305 | 0B70082A | Rotary Slide Switch 4-4 |
| SW307 | 0B70083A | Rotary Slide Switch 8-6 |
| CN5,6 | 0B81013A | Dip Mate 6P |
| CN27A | 0B82750A | PD Connector V80 |
| CN27B 28B,32 | 0B82751A | PD Connector V80 |
| CN28A | 0B82752A | PD Connector V80 |
| CN30 | 0B82806A | 5P Connector |
| | 0B81020A | 2P Pin Jack (1) |
| | 0B81593A | 4P Pin Jack (3) |
| | — Protector — | |
| IC901 | 0B11246A | IC μPC1237H |
| Q714,716 814,816 | 0B10050A | TR 2SA970 (BL) |
| Q715,815 | 0B06142A | TR 2SC2240 (BL) |
| Q901 | 0B06322A | TR 2SC2002 (K,L) |
| Q902 | 0B06372A | TR 2SA953 (K,L) |
| ZD702,802 | 0B12390A | ZD 13V RD13EB3 |
| ZD901 | 0B06123A | ZD 12V RD12EB3 |
| D901,902 | 0B06181A | SiD 1SS53 |
| R733,833 | 0B01681A | RK 3.3K 1/4W J |
| R734,740 834,840 | 0B05627A | RK 330K 1/4W J |
| R735,737 835,837 | 0B01856A | RK 8.2K 1/4W J |
| R736,836 | 0B05625A | RK 220K 1/4W J |
| R739,839 | 0B05621A | RK 120K 1/4W J |
| R901 | 0B01888A | RK 10K 1/4W J |
| R902 | 0B01682A | RK 6.8K 1/4W J |
| R903 | 0B24113A | RF 2.2K 1/2W J |
| R904 | 0B05641A | RK 47K 1/4W J |
| R905 | 0B01933A | RK 220 1/4W J |
| R906 | 0B01889A | RK 100K 1/4W J |
| R907 | 0B09263A | RK 12K 1/4W J |
| R908 | 0B05508A | RK 56K 1/4W J |
| R909 | 0B24107A | RF 1K 2W J |
| C901 | 0B40408A | CE 330μ 10V (BP) |
| C902 | 0B40116A | CE 10μ 50V |
| C903 | 0B09372A | CE 2.2μ 50V |
| C905 | 0B01400A | CE 100μ 16V |
| RL901 | 0B90199A | Relay 24V |
| CN11 | 0B82799A | 3P Connector |
| | — Power Amp. — | |
| Q701-704 706,707 801-804 806,807 | 0B06142A | TR 2SC2240 (BL) (12) |
| Q705,708 805,808 | 0B10050A | TR 2SA970 (BL) |
| ZD701,801 | 0B12162A | ZD 8.2V RD8.2JSB2 |
| VR701,801 | 0B32078A | Semi VR 4.7K |
| R701,711 801,811 | 0B09441A | RM 22K 1/4W F |
| R702,713 714,802 813,814 | 0B09420A | RM 2.2K 1/4W F |
| R703,803 | 0B09421A | RM 2.67K 1/4W F |
| R704,804 | 0B01857A | RK 1K 1/4W J |
| R705,805 | 0B22635A | RM 1.21K 1/4W F |
| R706,806 | 0B24111A | RF 22K 1/2W J |
| R707,807 | 0B01846A | RK 4.7K 1/4W J |
| R708,808 | 0B05959A | RK 75 1/4W J |
| R709,809 | 0B05623A | RK 1.2K 1/4W J |
| R710,810 | 0B01933A | RK 220 1/4W J |
| R712,715 812,815 | 0B22632A | RM 75 1/4W F |
| R716,816 | 0B05622A | RK 2.2K 1/4W J |
| R717,720 817,820 | 0B24110A | RF 10 1/2W J |
| R718,719 818,819 | 0B22700A | RM 3.32 1/4W F |
| R721,722 821,822 | 0B24094A | RC 1 5W K |
| R741,841 | 0B24112A | RF 5.6 1W J |
| R743,843 | 0B22457A | RM 100K 1/6W F |
| R750,850 | 0B01683A | RK 15K 1/4W J |
| C701,801 | 0B41213A | CP 330P 100V J |
| C702,802 | 0B40421A | CE 220μ 25V (LN) |
| C703,803 | 0B41225A | CP 1000P 100V J |
| C704,705 804,805 | 0B41702A | CSP 22P 50V J |
| C706,806 | 0B41594A | CM 0.1μ 100V J |
| C707,807 | 0B09816A | CE 10μ 16V (LN) |
| TP4L,4R | 0B81634A | 2P-T Post |
| | — Miscellaneous — | |
| | 0B60377F | Main P.C.B. |
| Q709,809 | 0B06303A | TR 2SB772 (P,Q) |
| Q710,810 | 0B10121A | TR 2SD1407 |
| Q711,811 | 0B10120A | TR 2SB1016 |
| Q712,812 | 0B10178A | TR 2SA1386 (P,Y) |
| Q713,813 | 0B10180A | TR 2SC3519 (P,Y) |
| TH901 | 0B19004A | Thermistor 50KD-5 |
| | 0B90201A | Insulator (2) |
| | 0E00868A | BT3x8 ⊕ Binding (4) |
| | 0E03138A | M3x10 ⊕ Binding (10) |
| | 0B82748B | PD Connector (1) |
| | 0J05199A | Heat Sink (1) |
| | 0J05205A | Heat Sink Holder A (1) |
| | 0J05207A | Main P.C.B. Holder (1) |
| | 0J05212C | Thermistor Holder (1) |
| | 0E00607A | M3x8 ⊕ Pan (3A) (2) |
| | 0B81596A | Antenna Terminal (1) |
| | 0B90019A | SK Binder (1) |
| | BA06310A | Main P.C.B. Ass'y (SR-3 (Australia)) 2nd Version |
| | Note: BA06310A is the same as BA06239A except for the following sections. | |
| | — FM — | |
| IC301 | 0B11156A | IC TA7060AP |
| IC302 | 0B11157A | IC LA1235 |
| Q301 | 0B10127A | FET 2SK241 (GR) |
| Q302,304 | 0B10174A | TR 2SC2669 (O,Y) |
| Q303,305 | 0B01872A | TR 2SC945L (P,O) |
| D303-306 | 0B06398A | SiD 1SS176 (4) |
| L301 | 0B51240A | FM Det. Coil A |
| L302 | 0B51241A | FM Det. Coil B |
| L304-308 310 | 0B51239A | Micro Coil 22μH (6) |
| VR301 | 0B32084A | Semi VR 47K |
| VR302 | 0B32080A | Semi VR 10K |
| R301 | 0B09725A | RK 100K 1/6W J |
| R303,346 | 0B09745A | RK 680K 1/6W J |
| R304,313 | 0B09645A | RK 47 1/6W J |
| R305,338 | 0B09671A | RK 560 1/6W J |
| R307 | 0B09721A | RK 68K 1/6W J |
| R308 | 0B09727A | RK 120K 1/6W J |
| R310,314 315,316 | 0B09667A | RK 390 1/6W J |
| R311,334 | 0B09698A | RK 7.5K 1/6W J |
| R312 | 0B09686A | RK 2.4K 1/6W J |
| R319,332 333 | 0B09665A | RK 330 1/6W J |
| R320 | 0B09717A | RK 47K 1/6W J |
| R321 | 0B05641A | RK 47K 1/4W J |
| R322,329 337 | 0B09677A | RK 1K 1/6W J |
| R323 | 0B09719A | RK 56K 1/6W J |
| R324 | 0B09699A | RK 8.2K 1/6W J |
| R325 | 0B09705A | RK 15K 1/6W J |
| R326 | 0B09685A | RK 2.2K 1/6W J |
| R327 | 0B09701A | RK 10K 1/6W J |
| R335 | 0B09689A | RK 3.3K 1/6W J |
| R336 | 0B09646A | RK 51 1/6W J |
| R347 | 0B09694A | RK 5.1K 1/6W J |
| R348 | 0B09687A | RK 2.7K 1/6W J |
| CF301,302 | 0B41818A | Ceramic Filter SFE10.7MX2K-A |
| CF303,304 | 0B41746A | Ceramic Filter SFE10.7MS3GH15A |
| CT332 | 0B41614A | C Trimmer 30P |
| C301,303 305,309 310,311 313,314 315,318 319,320 321,324 325,328 331,333 334,335 336,337 | 0B41554A | CC 0.022μ 25V Z |
| C302 | 0B41294A | CMM 0.047μ 50V J |
| C312,317 | 0B41290A | CMM 0.022μ 50V J |
| C316 | 0B40079A | CE 220μ 16V |
| C322 | 0B01402A | CE 4.7μ 25V |
| C323 | 0B09372A | CE 2.2μ 50V |
| C326,329 | 0B01405A | CE 1μ 50V |
| C327 | 0B40066A | CE 330μ 10V |
| C330 | 0B41071A | CC 100P 50V J |
| C341 | 0B40420A | CE 220μ 16V (LN) |
| C342 | 0B01412A | CE 10μ 16V |
| F301 | 0B11248A | IC Protector ICP-N5 |
| FE301 | 0B91016A | Front-end FE407-A16 |
| CN2 | 0B82792A | 3P Connector W240 |
| CN7 | 0B82795A | 3P Connector 370 |
| TP1 | 0B81634A | 2P-T Post |
| | 0E03355A | Earth Lug (1) |
| | — MPX — | |
| IC351 | 0B11245A | IC LA3400N |
| Q351 | 0B10062A | TR DTC144ES |
| Q352,353 | 0B10058A | TR DTA114ES |
| Q354,355 | 0B06299A | TR 2SC2878 |
| D351,352 353 | 0B06398A | SiD 1SS176 |
| L351,352 | 0B51237A | MPX Filter |
| VR351 | 0B32066A | Semi VR 220K |
| R352,353 | 0B09721A | RK 68K 1/6W J |
| R354,355 | 0B09723A | RK 82K 1/6W J |
| R356-359 368 | 0B09689A | RK 3.3K 1/6W J (5) |
| R360,361 | 0B09685A | RK 2.2K 1/6W J |
| R362,363 | 0B09695A | RK 5.6K 1/6W J |
| R364 | 0B09663A | RK 270 1/6W J |
| R369 | 0B09701A | RK 10K 1/6W J |
| C351 | 0B40418A | CE 330μ 16V (LN) |
| C352 | 0B41290A | CMM 0.022μ 50V J |
| C353,354 366,367 | 0B09816A | CE 10μ 16V (LN) |
| C355,358 362 | 0B01405A | CE 1μ 50V |
| C356,357 | 0B01412A | CE 10μ 16V |
| C359 | 0B41555A | CC 0.047μ 25V |
| C360 | 0B09287A | CC 680P 50V K |
| C361 | 0B40023A | CE 0.22μ 50V |
| C364,365 | 0B41404A | CP 560P 50V J |
| C368,369 | 0B41281A | CMM 3900P 50V J |
| X351 | 0B90172A | Ceramic Filter CSB456F11 |
| TP2 | 0B81635A | 3P-T Post |
| | — Miscellaneous — | |
| | 0M04956A | Lithium Battery Caution Label (1) |
| | BA06317A | Eq. Sub P.C.B. Ass'y |
| | 0B60394B | Eq. Sub P.C.B. |
| Q106,206 | 0B06299A | TR 2SC2878 |
| Q107 | 0B10050A | TR 2SA970 (BL) |
| ZD103 | 0B12321A | ZD 15V MTZ15C |
| R156,256 | 0B09677A | RK 1K 1/6W J |
| R157,257 | 0B09749A | RK 1M 1/6W J |
| R158,159 | 0B09725A | RK 100K 1/6W J |
| R160 | 0B09737A | RK 330K 1/6W J |
| CN34 | 0B81631A | 10P Connector |

## 5.14. Eq. Sub P.C.B. Ass'y

Note: This P.C.B. Ass'y is included in the Eq. Amp. section of the Main P.C.B. Ass'y.

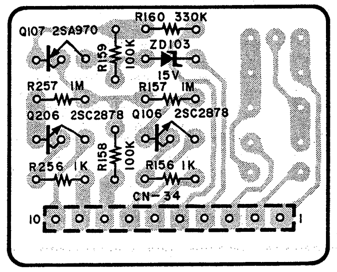


Fig. 5.14

(2) 1st Version

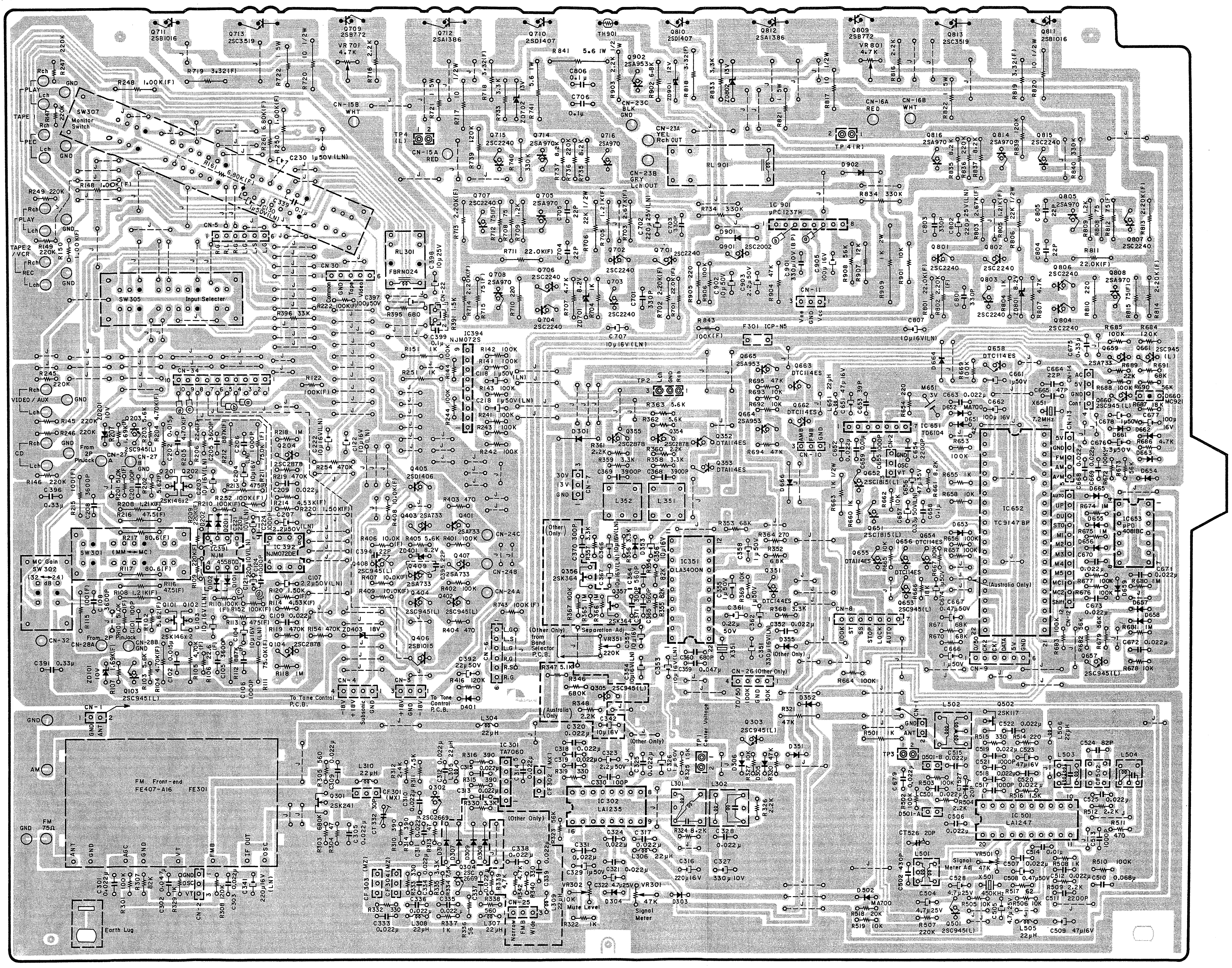

SW307 Monitor Switch
SW305 Input Selecter
SW301 (MM ↔ MC)
MC Gain SW302
TAPE 1
TAPE 2 /VCR
VIDEO / AUX
CD
PLAY
REC
RL 301
RL 901
IC 901 μPC1237H
IC651 TD6104
IC652 TC9147BP
IC351 LA3400N
IC 302 LA1235
IC 301 TA7060AP
IC 501 LA1247
FM Front-end FE407-A16 FE301
FM 75Ω
AM
GND
Earth Lug
To Tone Control P.C.B.
From Band Selector P.C.B.
Separation Adj
Center Voltage
Mute Level
Signal Meter
Signal Meter Adj
(Other Only)
(Australia Only)

Fig. 5.13.2.2 1st Version (For SR-3 (Other & Australia))

Note: For Australia, D309, D310, and pins 1 and 2 of CN-25 are shorted with jumper wires.

| Schematic Ref. No. | Part No. | Description |
|---|---|---|
| | BA06239A | Main P.C.B. Ass'y<br>(SR-3 (Other))<br>1st Version |
| | — FM — | |
| IC301 | 0B11156A | IC TA7060AP |
| IC302 | 0B11157A | IC LA1235 |
| Q301 | 0B10127A | FET 2SK241 (GR) |
| Q302,304 | 0B10174A | TR 2SC2669 (O, |
| Q303 | 0B01872A | TR 2SC945L (P, |
| D303-306 | 0B06398A | SiD 1SS176 (4 |
| D307-310 | 0B06181A | SiD 1SS53 (4 |
| L301 | 0B51240A | FM Det. Coil A |
| L302 | 0B51241A | FM Det. Coil B |
| L304-310 | 0B51239A | Micro Coil 22μH (7 |
| VR301 | 0B32084A | Semi VR 47K |
| VR302 | 0B32080A | Semi VR 10K |
| R301 | 0B09725A | RK 100K 1/6W J |
| R303 | 0B09745A | RK 680K 1/6W J |
| R304,313 | 0B09645A | RK 47 1/6W J |
| R305,338 | 0B09671A | RK 560 1/6W J |
| R307 | 0B09723A | RK 82K 1/6W J |
| R308 | 0B09727A | RK 120K 1/6W J |
| R310,314<br>315,316 | 0B09667A | RK 390 1/6W J |
| R311,334 | 0B09698A | RK 7.5K 1/6W J |
| R312 | 0B09686A | RK 2.4K 1/6W J |
| R319,332<br>333,340 | 0B09665A | RK 330 1/6W J |
| R320 | 0B09717A | RK 47K 1/6W J |
| R321 | 0B05641A | RK 47K 1/4W J |
| R322,329<br>337 | 0B09677A | RK 1K 1/6W J |
| R323 | 0B09719A | RK 56K 1/6W J |
| R324 | 0B09699A | RK 8.2K 1/6W J |
| R325 | 0B09705A | RK 15K 1/6W J |
| R326 | 0B09685A | RK 2.2K 1/6W J |
| R327 | 0B09701A | RK 10K 1/6W J |
| R330,335 | 0B09689A | RK 3.3K 1/6W J |
| R336 | 0B09647A | RK 56 1/6W J |
| R339,342 | 0B09693A | RK 4.7K 1/6W J |
| CF301,302 | 0B41700A | Ceramic Filter<br>SFE10.7MX2H-A |
| CF303,304 | 0B41076A | Ceramic Filter<br>SFE10.7MS3GKY- |
| CT332 | 0B41614A | C Trimmer 30P |
| C301,303<br>305,309<br>310,311<br>313,314<br>315,318<br>319,320<br>321,324<br>325,328<br>331<br>333-339 | 0B41554A | CC 0.022μ 25V Z<br>(24 |
| C302 | 0B41294A | CMM 0.047μ 50V J |
| C312,317 | 0B41290A | CMM 0.022μ 50V J |
| C316 | 0B40079A | CE 220μ 16V |
| C322 | 0B01402A | CE 4.7μ 25V |
| C323 | 0B09372A | CE 2.2μ 50V |
| C326,329 | 0B01405A | CE 1μ 50V |
| C327 | 0B40066A | CE 330μ 10V |
| C330 | 0B41071A | CC 100P 50V J |
| C341 | 0B40420A | CE 220μ 16V (LN |
| F301 | 0B11248A | IC Protector ICP-N |
| FE301 | 0B91016A | Front-end<br>FE407-A16 |
| CN2 | 0B82792A | 3P Connector W24 |
| CN7 | 0B82795A | 3P Connector 370 |
| CN25 | 0B81635A | 3P-T Post |
| TP1 | 0B81634A | 2P-T Post |
| | 0E03355A | Earth Lug (1 |
| | — AM — | |
| IC501 | 0B11243A | IC LA1247 |
| Q501 | 0B01872A | TR 2SC945L (P,Q |
| Q502 | 0B06129A | FET 2SK117 (Y) |
| D501 | 0B12386A | Varicap KV1226Y |
| D502 | 0B12363A | SiD MA700 |
| L501 | 0B51235A | Osc. Coil |
| L502 | 0B51236A | Ant. Coil |
| L503 | 0B51234A | IFT 2 AM |
| L504 | 0B51233A | IFT 1 AM |
| L505,506 | 0B51239A | Micro Coil 22μH |
| VR501 | 0B32084A | Semi VR 47K |
| R501 | 0B01857A | RK 1K 1/4W J |

| Schematic Ref. No. | Part No. | Description |
|---|---|---|
| R502,503 510 | 0B09725A | RK 100K 1/6W J |
| R504,509 512 | 0B09685A | RK 2.2K 1/6W J |
| R505,506 519 | 0B09701A | RK 10K 1/6W J |
| R507 | 0B09733A | RK 220K 1/6W J |
| R508 | 0B09677A | RK 1K 1/6W J |
| R511 | 0B09669A | RK 470 1/6W J |
| R514 | 0B09661A | RK 220 1/6W J |
| R515 | 0B09665A | RK 330 1/6W J |
| R516 | 0B09681A | RK 1.5K 1/6W J |
| R517 | 0B09648A | RK 62 1/6W J |
| R518 | 0B09708A | RK 20K 1/6W J |
| CF502 | 0B41701A | Ceramic Filter SFZ450G3L |
| CT526,527 | 0B42005A | C Trimmer 20P |
| C501,506 507,512 515,518 519,520 522,525 | 0B41554A | CC 0.022μ 25V |
| C502 | 0B41401A | CP 430P 50V J |
| C504,505 528 | 0B01402A | CE 4.7μ 25V |
| C508 | 0B40111A | CE 0.47μ 50V |
| C509,523 | 0B01403A | CE 47μ 16V |
| C510 | 0B41296A | CMM 0.068μ 50V J |
| C511 | 0B09586A | CC 2200P 50V K |
| C513,517 521 | 0B09288A | CC 1000P 50V K |
| C514 | 0B41553A | CC 0.01μ 25V |
| C524 | 0B41711A | CC 82P 50V K |
| X501 | 0B92003A | Crystal 450kHz BFU450C4N |
| CN1 | 0B82791A | 2P Connector 250mm |
| TP3 | 0B81634A | 2P-T Post |
|  | — MPX — |  |
| IC351 | 0B11245A | IC LA3400N |
| Q351 | 0B10062A | TR DTC144ES |
| Q352,353 | 0B10058A | TR DTA114ES |
| Q354,355 | 0B06299A | TR 2SC2878 |
| Q356,357 | 0B10151A | FET 2SK364 |
| D351,352 353,355 | 0B06398A | SiD 1SS176 |
| L351,352 | 0B51237A | MPX Filter |
| VR351 | 0B32066A | Semi VR 220K |
| R352,353 | 0B09721A | RK 68K 1/6W J |
| R354,355 | 0B09723A | RK 82K 1/6W J |
| R356-359 368 | 0B09689A | RK 3.3K 1/6W J (5) |
| R360,361 | 0B09685A | RK 2.2K 1/6W J |
| R362,363 | 0B09695A | RK 5.6K 1/6W J |
| R364 | 0B09663A | RK 270 1/6W J |
| R365,366 | 0B09749A | RK 1M 1/6W J |
| R367 | 0B09725A | RK 100K 1/6W J |
| R369 | 0B09701A | RK 10K 1/6W J |
| C351 | 0B40418A | CE 330μ 16V (LN) |
| C352 | 0B41290A | CMM 0.022μ 50V J |
| C353,354 366,367 | 0B09816A | CE 10μ 16V (LN) |
| C355,358 362 | 0B01405A | CE 1μ 50V |
| C356,357 | 0B01412A | CE 10μ 16V |
| C359 | 0B41555A | CC 0.047μ 25V |
| C360 | 0B09287A | CC 680P 50V K |
| C361 | 0B40023A | CE 0.22μ 50V |
| C364,365 | 0B41404A | CP 560P 50V J |
| C368,369 | 0B41281A | CMM 3900P 50V J |
| C370,371 | 0B41397A | CP 300P 50V J |
| X351 | 0B90172A | Ceramic Filter CSB456F11 |
| CN26 | 0B81636A | 4P-T Post |
| TP2 | 0B81635A | 3P-T Post |
|  | — Sync. Cont. — |  |
| IC651 | 0B11159A | IC TD6104 |
| IC652 | 0B11161A | IC TC9147BP |
| IC653 | 0B06219A | IC μPD4081BC |
| Q651,652 | 0B10088A | TR 2SC1815L |
| Q653,657 660,661 | 0B01872A | TR 2SC945L (P,Q) |
| Q654,656 658,662 663 | 0B10068A | TR DTC114ES |
| Q655 | 0B10058A | TR DTA114ES |
| Q659 | 0B06013A | TR 2SA733 (P,Q) |
| Q664,665 | 0B06372A | TR 2SA953 (K,L) |
| D301,664 666 | 0B06181A | SiD 1SS53 |
| D651 653-659 661,662 663,665 | 0B06398A | SiD 1SS176 (12) |
| D652 | 0B12363A | SiD MA700 |
| D660 | 0B12100A | SiD MC921 |
| L651 | 0B51239A | Micro Coil 22μH |
| X651 | 0B92006A | Crystal 7.2MHz |
| R653,656 657,664 667,669 672,676 677,683 685,688 | 0B09725A | RK 100K 1/6W J |
| R654 | 0B09661A | RK 220 1/6W J |
| R655,660 | 0B09677A | RK 1K 1/6W J |
| R658,662 665,678 692,693 | 0B09701A | RK 10K 1/6W J |
| R661 | 0B09699A | RK 8.2K 1/6W J |
| R663 | 0B24114A | RF 1K 1/2W J |
| R666,687 | 0B09707A | RK 18K 1/6W J |
| R670,671 691 | 0B09721A | RK 68K 1/6W J |
| R673,679 682,690 | 0B09719A | RK 56K 1/6W J |
| R674,675 680,681 | 0B09749A | RK 1M 1/6W J |
| R684 | 0B09727A | RK 120K 1/6W J |
| R686 | 0B09693A | RK 4.7K 1/6W J |
| R689 | 0B09709A | RK 22K 1/6W J |
| R694,695 | 0B09717A | RK 47K 1/6W J |
| C651 | 0B01403A | CE 47μ 16V |
| C652,663 668-673 679 | 0B41554A | CC 0.022μ 25V (9) |
| C653 | 0B41187A | CC 39P 50V J |
| C654 | 0B09586A | CC 2200P 50V K |
| C655 | 0B09288A | CC 1000P 50V K |
| C656 | 0B40103A | CE 47μ 35V |
| C657 | 0B09327A | CE 0.33μ 50V (LN) |
| C658 | 0B41298A | CMM 0.1μ 50V J |
| C659 | 0B41553A | CC 0.01μ 25V |
| C661,666 674,678 | 0B01405A | CE 1μ 50V |
| C662,677 | 0B01400A | CE 100μ 16V |
| C664 | 0B41708A | CC 22P 50V J |
| C665 | 0B41709A | CC 47P 50V J |
| C667 | 0B40111A | CE 0.47μ 50V |
| C675 | 0B41304A | CMM 0.33μ 50V J |
| C676 | 0B01863A | CE 3.3μ 50V |
| M651 | 0B90200B | Lithium Battery 3V CR2430-FT4-1 |
| CN8 | 0B81639A | 7P-T Post |
| CN9 | 0B81638A | 6P-T Post |
| CN10 | 0B81635A | 3P-T Post |
| CN12 | 0B81644A | 12P-T Post |
| CN13 | 0B81637A | 5P-T Post |
| CN14 | 0B82802A | 4P Connector |
|  | — Eq. Amp. — |  |
| IC391 | 0B06146A | IC NJM4558DD |
| Q101,102 201,202 | 0B10195A | FET 2SK146 (BL,V) |
| Q103,203 | 0B01872A | TR 2SC945L (P,Q) |
| ZD101,201 | 0B12168A | ZD 10V RD10JS-T1B2 |
| D101,102 201,202 | 0B06398A | SiD 1SS176 |
| R101,201 | 0B22423A | RM 51.0K 1/6W F |
| R102,202 | 0B22684A | RM 5.62 1/4W F |
| R103,203 | 0B09695A | RK 5.6K 1/6W J |
| R104,105 204,205 | 0B09356A | RM 4.7K 1/4W F |
| R106,206 | 0B22039A | RM 22.6 1/6W F |
| R107,207 | 0B22253A | RM 1.69K 1/6W F |
| R108,208 | 0B22635A | RM 1.21K 1/4W F |
| R109,209 | 0B22493A | RM 220K 1/6W F |
| R110,122 152,210 222,252 | 0B22457A | RM 100K 1/6W F |
| R111,211 | 0B09562A | RM 75.0K 1/4W F |
| R112,212 | 0B22641A | RM 887K 1/4W F |
| R113,213 | 0B22576A | RM 475 1/4W F |
| R115,215 | 0B22567A | RM 100 1/4W F |
| R116,216 | 0B22643A | RM 47.5 1/4W F |
| R117,217 | 0B22104A | RM 80.6 1/6W F |
| C101,201 | 0B41703A | CSP 100P 50V J |
| C102,202 | 0B41585A | CM 0.015μ 100V J |
| C103,104 122,203 204,222 | 0B09816A | CE 10μ 16V (LN) |
| C105,205 | 0B41238A | CP 3600P 100V J |
| C106,124 206,224 | 0B41225A | CP 1000P 100V J |
| C108,208 | 0B41706A | CSP 3600P 50V J |
| C121,221 | 0B40422A | CE 220μ 10V (LN) |
| C391,396 | 0B41304A | CMM 0.33μ 50V J |
| SW301 | 0B70076A | Push Switch 4-2 |
| SW302 | 0B70078A | Slide Switch 4-2 |
| CN34 | 0B82862A | 10P Connector |
|  | BA06317A | Eq. Sub P.C.B. Ass'y |
|  | — Subsonic Filter — |  |
| IC392 | 0B11005A | IC NJM072DE |
| Q104,204 | 0B06299A | TR 2SC2878 |
| ZD403 | 0B12186A | ZD 18V RD18JSB2 |
| D401 | 0B06398A | SiD 1SS176 |
| R114,214 | 0B22303A | RM 4.53K 1/6W F |
| R118,218 | 0B09749A | RK 1M 1/6W J |
| R119,154 219 | 0B09741A | RK 470K 1/6W J |
| R120,220 | 0B22247A | RM 1.50K 1/6W F |
| R254 | 0B01684A | RK 470K 1/4W J |
| R416 | 0B09727A | RK 120K 1/6W J |
| C107,207 | 0B09933A | CE 2.2μ 50V (LN) |
| C109,209 | 0B05582A | CM 0.022μ 50V J |
| C392 | 0B40117A | CE 22μ 50V |
| CN4 | 0B81636A | 4P-T Post |
|  | — Power Supply — |  |
| Q401,403 407,409 | 0B06013A | TR 2SA733 (P,Q) |
| Q402,404 408 | 0B01872A | TR 2SC945L (P,Q) |
| Q405 | 0B06452A | TR 2SD1406 (Y) |
| Q406 | 0B06451A | TR 2SB1015 (Y) |
| ZD401 | 0B12162A | ZD 8.2V RD8.2JS-T1B2 |
| R401,402 | 0B09725A | RK 100K 1/6W J |
| R403,404 | 0B09669A | RK 470 1/6W J |
| R405 | 0B09695A | RK 5.6K 1/6W J |
| R406,407 408,409 | 0B22343A | RM 10.0K 1/6W F |
| C394,395 | 0B41507A | C 22P 50V J |
| CN3 | 0B81635A | 3P-T Post |
|  | 0B08680B | Heat Sink A (2) |
|  | 0E00972A | Nut Hex. M3 (2) |
|  | 0E03319A | M3x8 ⊕Binding (2) |
|  | — Tuner Buffer — |  |
| IC394 | 0B11070A | IC NJM072S |
| R141-144 241-244 | 0B01889A | RK 100K 1/4W J (8) |
| R151,251 | 0B01857A | RK 1K 1/4W J |
| C118,218 | 0B09814A | CE 1μ 50V (LN) |
|  | — Input Sel. — |  |
| R145,146 147,149 245,246 247,249 | 0B09733A | RK 220K 1/6W J |
| R148,150 248,250 | 0B22229A | RM 1.00K 1/6W F |
| R161 | 0B22324A | RM 6.80K 1/6W F |
| R261 | 0B09529A | RM 6.8K 1/4W F |
| R391 | 0B09681A | RK 1.5K 1/4W J |
| R395 | 0B05794A | RK 680 1/4W J |
| R396 | 0B05509A | RK 33K 1/4W J |
| C130,230 | 0B09814A | CE 1μ 50V (LN) |
| C339,399 | 0B41298A | CMM 0.1μ 50V J |
| C397 | 0B40120A | CE 100μ 50V |
| C398 | 0B01674A | CE 10μ 25V |
| RL301 | 0B90204A | Relay FBR42ND024P |
| SW305 | 0B70082A | Rotary Slide Switch 4-4 |
| SW307 | 0B70083A | Rotary Slide Switch 8-6 |
| CN5,6 | 0B81013A | Dip Mate 6P |
| CN27A | 0B82750A | PD Connector V80 |
| CN27B 28B,32 | 0B82751A | PD Connector V80 |
| CN28A | 0B82752A | PD Connector V80 |
| CN30 | 0B82806A | 5P Connector |
|  | 0B81020A | 2P Pin Jack (1) |
|  | 0B81593A | 4P Pin Jack (3) |
|  | — Protector — |  |
| IC901 | 0B11246A | IC μPC1237H |
| Q714,716 814,816 | 0B10050A | TR 2SA970 (BL) |
| Q715,815 | 0B06142A | TR 2SC2240 (BL) |
| Q901 | 0B06322A | TR 2SC2002 (K,L) |
| Q902 | 0B06372A | TR 2SA953 (K,L) |
| ZD702,802 | 0B12390A | ZD 13V RD13EB3 |
| ZD901 | 0B06123A | ZD 12V RD12EB3 |
| D901,902 | 0B06181A | SiD 1SS53 |
| R733,833 | 0B01681A | RK 3.3K 1/4W J |
| R734,740 834,840 | 0B05627A | RK 330K 1/4W J |
| R735,737 835,837 | 0B01856A | RK 8.2K 1/4W J |
| R736,836 | 0B05625A | RK 220K 1/4W J |
| R739,839 | 0B05621A | RK 120K 1/4W J |
| R901 | 0B01888A | RK 10K 1/4W J |
| R902 | 0B01682A | RK 6.8K 1/4W J |
| R903 | 0B24113A | RF 2.2K 1/2W J |
| R904 | 0B05641A | RK 47K 1/4W J |
| R905 | 0B01933A | RK 220 1/4W J |
| R906 | 0B01889A | RK 100K 1/4W J |
| R907 | 0B09263A | RK 12K 1/4W J |
| R908 | 0B05508A | RK 56K 1/4W J |
| R909 | 0B24107A | RF 1K 2W J |
| C901 | 0B40408A | CE 330μ 10V (BP) |
| C902 | 0B40116A | CE 10μ 50V |
| C903 | 0B09372A | CE 2.2μ 50V |
| C905 | 0B01400A | CE 100μ 16V |
| RL901 | 0B90199A | Relay 24V |
| CN11 | 0B82799A | 3P Connector |
|  | — Power Amp. — |  |
| Q701-704 706,707 801-804 806,807 | 0B06142A | TR 2SC2240 (BL) (12) |
| Q705,708 805,808 | 0B10050A | TR 2SA970 (BL) |
| ZD701,801 | 0B06418A | ZD 8.2V RD8.2JB2 |
| VR701,801 | 0B32078A | Semi VR 4.7K |
| R701,711 801,811 | 0B09441A | RM 22K 1/4W F |
| R702,713 714,802 813,814 | 0B09420A | RM 2.2K 1/4W F |
| R703,803 | 0B09421A | RM 2.67K 1/4W F |
| R704,804 | 0B01857A | RK 1K 1/4W J |
| R705,805 | 0B22635A | RM 1.21K 1/4W F |
| R706,806 | 0B24111A | RF 22K 1/2W J |
| R707,807 | 0B01846A | RK 4.7K 1/4W J |
| R708,808 | 0B05959A | RK 75 1/4W J |
| R709,809 | 0B05623A | RK 1.2K 1/4W J |
| R710,810 | 0B01933A | RK 220 1/4W J |
| R712,715 812,815 | 0B22632A | RM 75 1/4W F |
| R716,816 | 0B05622A | RK 2.2K 1/4W J |
| R717,720 817,820 | 0B24110A | RF 10 1/2W J |
| R718,719 818,819 | 0B22700A | RM 3.32 1/4W F |
| R721,722 821,822 | 0B24094A | RC 1 5W K |
| R741,841 | 0B24112A | RF 5.6 1W J |
| R743,843 | 0B22457A | RM 100K 1/6W F |
| C701,703 801,803 | 0B41213A | CP 330P 100V J |
| C702,802 | 0B40421A | CE 220μ 25V (LN) |
| C704,705 804,805 | 0B41702A | CSP 22P 50V J |
| C706,806 | 0B41594A | CM 0.1μ 100V J |
| C707,807 | 0B09816A | CE 10μ 16V (LN) |
| TP4L,4R | 0B81634A | 2P-T Post |
|  | — Miscellaneous — |  |
|  | 0B60377A | Main P.C.B. |
| Q709,809 | 0B06303A | TR 2SB772 (P,Q) |
| Q710,810 | 0B10121A | TR 2SD1407 |
| Q711,811 | 0B10120A | TR 2SB1016 |
| Q712,812 | 0B10178A | TR 2SA1386 (P,Y) |
| Q713,813 | 0B10180A | TR 2SC3519 (P,Y) |
| TH901 | 0B19004A | Thermistor 50KD-5 |
|  | 0B90201A | Insulator (2) |
|  | 0B90210A | Insu-Lock (3) |
|  | 0E00868A | BT3x8 ⊕Pan (7) |
|  | 0E03138A | M3x10 ⊕Pan (Nickel) (10) |
|  | 0J05199A | Heat Sink (1) |
|  | 0J05205A | Heat Sink Holder A (1) |
|  | 0J05207A | Main P.C.B. Holder (2) |
|  | 0J05212C | Thermistor Holder (1) |
|  | 0E00606A | M3x6 ⊕Pan (3A) (2) |
|  | 0B81596A | Antenna Terminal (1) |
|  | 0B90019A | SK Binder (1) |
|  | **BA06310A** | **Main P.C.B. Ass'y (SR-3 (Australia)) 1st Version** |
|  | Note: BA06310A is the same as BA06239A except for the following sections. |  |
|  | — FM — |  |
| IC301 | 0B11156A | IC TA7060AP |
| IC302 | 0B11157A | IC LA1235 |
| Q301 | 0B10127A | FET 2SK241 (GR) |
| Q302,304 | 0B10174A | TR 2SC2669 (O,Y) |
| Q303,305 | 0B01872A | TR 2SC945L (P,O) |
| D303-306 | 0B06398A | SiD 1SS176 (4) |
| L301 | 0B51240A | FM Det. Coil A |
| L302 | 0B51241A | FM Det. Coil B |
| L304-308 310 | 0B51239A | Micro Coil 22μH (6) |
| VR301 | 0B32084A | Semi VR 47K |
| VR302 | 0B32080A | Semi VR 10K |
| R301 | 0B09725A | RK 100K 1/6W J |
| R303,346 | 0B09745A | RK 680K 1/6W J |
| R304,313 | 0B09645A | RK 47 1/6W J |
| R305,338 | 0B09671A | RK 560 1/6W J |
| R307 | 0B09723A | RK 82K 1/6W J |
| R308 | 0B09727A | RK 120K 1/6W J |
| R310,314 315,316 | 0B09667A | RK 390 1/6W J |
| R311,334 | 0B09698A | RK 7.5K 1/6W J |
| R312 | 0B09686A | RK 2.4K 1/6W J |
| R319,332 333 | 0B09665A | RK 330 1/6W J |
| R320 | 0B09717A | RK 47K 1/6W J |
| R321 | 0B05641A | RK 47K 1/4W J |
| R322,329 337 | 0B09677A | RK 1K 1/6W J |
| R323 | 0B09719A | RK 56K 1/6W J |
| R324 | 0B09699A | RK 8.2K 1/6W J |
| R325 | 0B09705A | RK 15K 1/6W J |
| R326,348 | 0B09685A | RK 2.2K 1/6W J |
| R327 | 0B09701A | RK 10K 1/6W J |
| R335 | 0B09689A | RK 3.3K 1/6W J |
| R336 | 0B09647A | RK 56 1/6W J |
| R347 | 0B09694A | RK 5.1K 1/6W J |
| CF301,302 | 0B41700A | Ceramic Filter SFE10.7MX2H-A |
| CF303,304 | 0B41076A | Ceramic Filter SFE10.7MS3GKY-A |
| CT332 | 0B41614A | C Trimmer 30P |
| C301,303 305,309 310,311 313,314 315,318 319,320 321,324 325,328 331,333 334,335 336,337 | 0B41554A | CC 0.022μ 25V Z |
| C302 | 0B41294A | CMM 0.047μ 50V J |
| C312,317 | 0B41290A | CMM 0.022μ 50V J |
| C316 | 0B40079A | CE 220μ 16V |
| C322 | 0B01402A | CE 4.7μ 25V |
| C323 | 0B09372A | CE 2.2μ 50V |
| C326,329 | 0B01405A | CE 1μ 50V |
| C327 | 0B40066A | CE 330μ 10V |
| C330 | 0B41071A | CC 100P 50V J |
| C341 | 0B40420A | CE 220μ 16V (LN) |
| C342 | 0B01412A | CE 10μ 16V |
| F301 | 0B11248A | IC Protector ICP-N5 |
| FE301 | 0B91016A | Front-end FE407-A16 |
| CN2 | 0B82792A | 3P Connector W240 |
| CN7 | 0B82795A | 3P Connector 370 |
| TP1 | 0B81634A | 2P-T Post |
|  | 0E03355A | Earth Lug (1) |
|  | — MPX — |  |
| IC351 | 0B11245A | IC LA3400N |
| Q351 | 0B10062A | TR DTC144ES |
| Q352,353 | 0B10058A | TR DTA114ES |
| Q354,355 | 0B06299A | TR 2SC2878 |
| D351,352 353 | 0B06398A | SiD 1SS176 |
| L351,352 | 0B51237A | MPX Filter |
| VR351 | 0B32066A | Semi VR 220K |
| R352,353 | 0B09721A | RK 68K 1/6W J |
| R354,355 | 0B09723A | RK 82K 1/6W J |
| R356-359 368 | 0B09689A | RK 3.3K 1/6W J (5) |
| R360,361 | 0B09685A | RK 2.2K 1/6W J |
| R362,363 | 0B09695A | RK 5.6K 1/6W J |
| R364 | 0B09663A | RK 270 1/6W J |
| R369 | 0B09701A | RK 10K 1/6W J |
| C351 | 0B40418A | CE 330μ 16V (LN) |
| C352 | 0B41290A | CMM 0.022μ 50V J |
| C353,354 366,367 | 0B09816A | CE 10μ 16V (LN) |
| C355,358 362 | 0B01405A | CE 1μ 50V |
| C356,357 | 0B01412A | CE 10μ 16V |
| C359 | 0B41555A | CC 0.047μ 25V |
| C360 | 0B09287A | CC 680P 50V K |
| C361 | 0B40023A | CE 0.22μ 50V |
| C364,365 | 0B41404A | CP 560P 50V J |
| C368,369 | 0B41281A | CMM 3900P 50V J |
| X351 | 0B90172A | Ceramic Filter CSB456F11 |
| TP2 | 0B81635A | 3P-T Post |
|  | **BA06317A** | **Eq. Sub P.C.B. Ass'y** |
|  | 0B60394B | Eq. Sub P.C.B. |
| Q106,206 | 0B06299A | TR 2SC2878 |
| Q107 | 0B10050A | TR 2SA970 (BL) |
| ZD103 | 0B12321A | ZD 15V MTZ15C |
| R156,256 | 0B09677A | RK 1K 1/6W J |
| R157,257 | 0B09749A | RK 1M 1/6W J |
| R158,159 | 0B09725A | RK 100K 1/6W J |
| R160 | 0B09737A | RK 330K 1/6W J |
| CN34 | 0B81631A | 10P Connector |

## 5.14. Eq. Sub P.C.B. Ass'y

Note: This P.C.B. Ass'y is included in the Eq. Amp. section of the Main P.C.B. Ass'y.

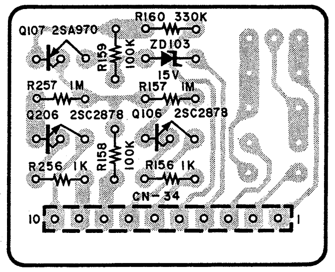


Fig. 5.14

## 5.13.3. For SR-3E (Europe)

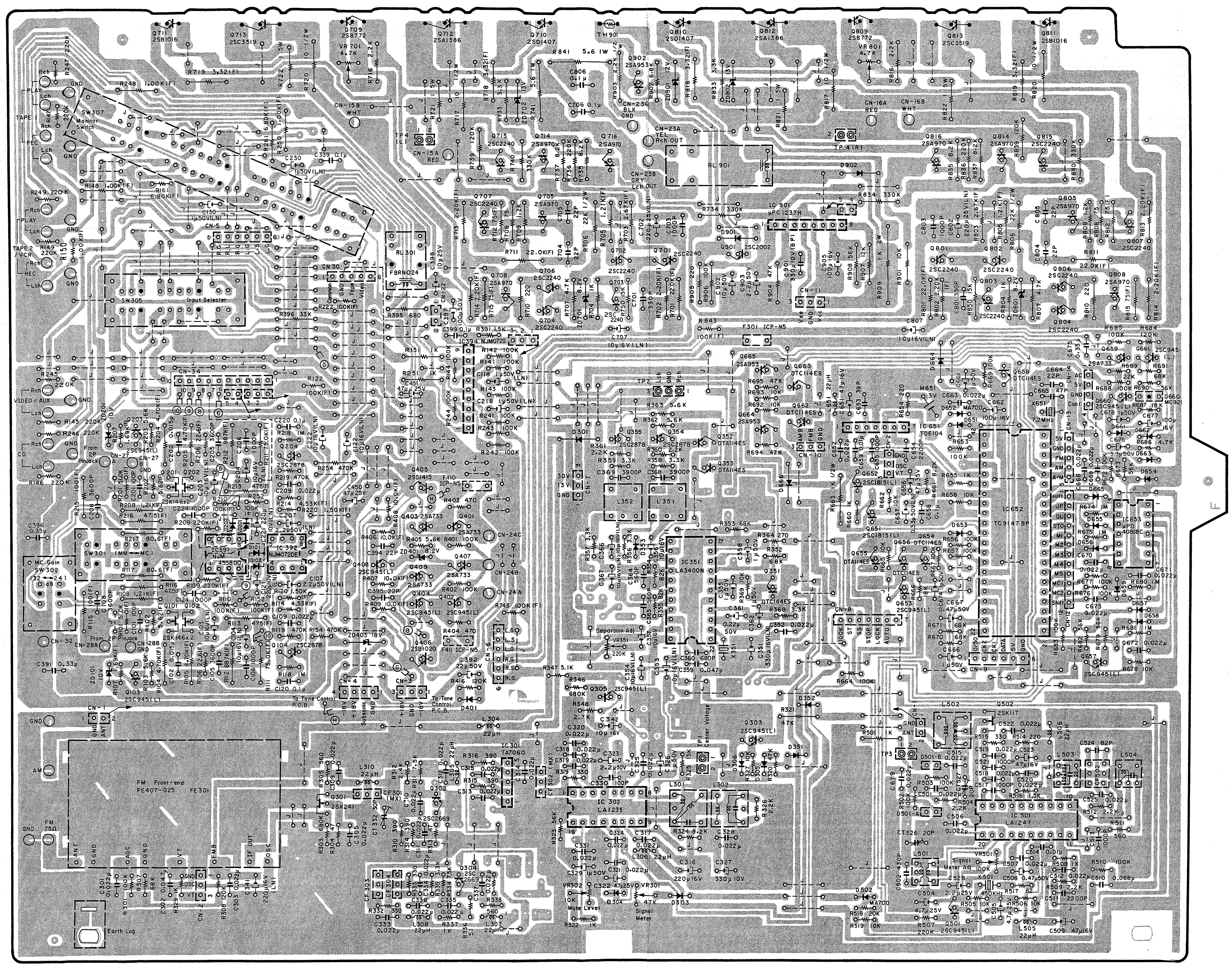

TAPE
PLAY
REC
SW307 Monitor Switch
TAPE 2 /VCR
SW305 Input Selector
VIDEO / AUX
CD
From 2P Pinjack
SW301 (MM ↔ MC)
MC Gain SW302
RL301
RL901
IC 901 μPC1237H
TH901
CN-15A RED
CN-15B WHT
CN-16A RED
CN-16B WHT
CN-23A YEL Rch OUT
CN-23B GRY Lch OUT
TP4 (L)
TP4 (R)
F301 ICP-N5
F410 ICP-N5
F411 ICP-N5
IC391 NJM4558D
IC392 NJM072DE
IC351 LA3400N
IC651 TC9147BP
IC652
IC653 μPD4081BC
IC301 TA7060
IC302 LA1235
IC501 LA1247
Separation Adj
Center Voltage
To Tone Control P.C.B.
FM Front-end FE407-G25 FE301
AM
FM 75Ω
GND
ANT
Earth Lug
Mute Level
Signal Meter
Signal Meter Adj
VR301
VR501
X651 7.2MHz
X501 450KHz
Q711 2SB1016
Q713 2SC3519
Q709 2SB772
Q712 2SA1386
Q710 2SD1407
Q810 2SD1407
Q812 2SA1386
Q809 2SB772
Q813 2SC3519
Q811 2SB1016
F

Fig. 5.13.3. For SR-3E (Europe)

| Schematic Ref. No. | Part No. | Description |
|---|---|---|
| | BA06238A | Main P.C.B. Ass'y (SR-3E (Europe)) |
| | — FM — | |
| IC301 | 0B11156A | IC TA7060AP |
| IC302 | 0B11157A | IC LA1235 |
| Q301 | 0B10127A | FET 2SK241 (GR) |
| Q302,304 | 0B10174A | TR 2SC2669 (O,Y) |
| Q303,305 | 0B01872A | TR 2SC945L (P,Q) |
| D303-306 | 0B06398A | SiD 1SS176 (4) |
| L301 | 0B51240A | FM Det. Coil A |
| L302 | 0B51241A | FM Det. Coil B |
| L304-308 310 | 0B51239A | Micro Coil 22μH (6) |
| VR301 | 0B32084A | Semi VR 47K |
| VR302 | 0B32080A | Semi VR 10K |
| R301 | 0B09725A | RK 100K 1/6W J |
| R303,346 | 0B09745A | RK 680K 1/6W J |
| R304,313 | 0B09645A | RK 47 1/6W J |
| R305,338 | 0B09671A | RK 560 1/6W J |
| R307 | 0B09721A | RK 68K 1/6W J |
| R308 | 0B09727A | RK 120K 1/6W J |
| R310,314 315,316 | 0B09667A | RK 390 1/6W J |
| R311,334 | 0B09698A | RK 7.5K 1/6W J |
| R312 | 0B09686A | RK 2.4K 1/6W J |
| R319,332 333 | 0B09665A | RK 330 1/6W J |
| R320 | 0B09717A | RK 47K 1/6W J |
| R321 | 0B05641A | RK 47K 1/4W J |
| R322,329 337 | 0B09677A | RK 1K 1/6W J |
| R323 | 0B09719A | RK 56K 1/6W J |
| R324 | 0B09699A | RK 8.2K 1/6W J |
| R325 | 0B09705A | RK 15K 1/6W J |
| R326 | 0B09685A | RK 2.2K 1/6W J |
| R327 | 0B09701A | RK 10K 1/6W J |
| R335 | 0B09689A | RK 3.3K 1/6W J |
| R336 | 0B09646A | RK 51 1/6W J |
| R347 | 0B09694A | RK 5.1K 1/6W J |
| R348 | 0B09687A | RK 2.7K 1/6W J |
| CF301,302 | 0B41818A | Ceramic Filter SFE10.7MX2K-A |
| CF303,304 | 0B41746A | Ceramic Filter SFE10.7MS3GH15A |
| CT332 | 0B41614A | C Trimmer 30P |
| C301,303 305,309 310,311 313,314 315,318 319,320 321,324 325,328 331,333 334,335 336,337 | 0B41554A | CC 0.022μ 25V Z |
| C302 | 0B41294A | CMM 0.047μ 50V J |
| C312,317 | 0B41290A | CMM 0.022μ 50V J |
| C316 | 0B40079A | CE 220μ 16V |
| C322 | 0B01402A | CE 4.7μ 25V |
| C323 | 0B09372A | CE 2.2μ 50V |
| C326,329 | 0B01405A | CE 1μ 50V |
| C327 | 0B40066A | CE 330μ 10V |
| C330 | 0B41071A | CC 100P 50V J |
| C341 | 0B40420A | CE 220μ 16V (LN) |
| C342 | 0B01412A | CE 10μ 16V |
| F301 | 0B11248A | IC Protector ICP-N5 |
| FE301 | 0B91017A | Front-end FE407-G25 |
| CN2 | 0B82792A | 3P Connector W240 |
| CN7 | 0B82795A | 3P Connector 370mm |
| TP1 | 0B81634A | 2P-T Post |
| | 0E03355A | Earth Lug (1) |
| | — AM — | |
| IC501 | 0B11243A | IC LA1247 |
| Q501 | 0B01872A | TR 2SC945L (P,Q) |
| Q502 | 0B06129A | FET 2SK117 (Y) |
| D501 | 0B12386A | Varicap KV1226Y |
| D502 | 0B12363A | SiD MA700 |
| L501 | 0B51235A | Osc. Coil |
| L502 | 0B51236A | Ant. Coil |
| L503 | 0B51234A | IFT 2 AM |
| L504 | 0B51233A | IFT 1 AM |
| L505,506 | 0B51239A | Micro Coil 22μH |
| VR501 | 0B32086A | Semi VR 100K |
| R501 | 0B01857A | RK 1K 1/4W J |
| R502,503 510 | 0B09725A | RK 100K 1/6W J |
| R504,509 512 | 0B09685A | RK 2.2K 1/6W J |
| R505,506 519 | 0B09701A | RK 10K 1/6W J |
| R507 | 0B09733A | RK 220K 1/6W J |
| R508 | 0B09677A | RK 1K 1/6W J |
| R511 | 0B09671A | RK 560 1/6W J |
| R514 | 0B09661A | RK 220 1/6W J |
| R515 | 0B09665A | RK 330 1/6W J |
| R516 | 0B09681A | RK 1.5K 1/6W J |
| R517 | 0B09651A | RK 82 1/6W J |
| R518 | 0B09708A | RK 20K 1/6W J |
| CF502 | 0B41701A | Ceramic Filter SFZ450G3L |
| CT526,527 | 0B42005A | C Trimmer 20P |
| C501,506 507,512 515,518 519,520 522,525 | 0B41554A | CC 0.022μ 25V |
| C502 | 0B41401A | CP 430P 50V J |
| C504,505 | 0B01402A | CE 4.7μ 25V |
| C508 | 0B40111A | CE 0.47μ 50V |
| C509,523 | 0B01403A | CE 47μ 16V |
| C510 | 0B41296A | CMM 0.068μ 50V J |
| C511 | 0B09586A | CC 2200P 50V K |
| C513,517 521 | 0B09288A | CC 1000P 50V K |
| C514 | 0B41553A | CC 0.01μ 25V |
| C524 | 0B41711A | CC 82P 50V K |
| C528 | 0B09372A | CE 2.2μ 50V |
| X501 | 0B92003A | Crystal 450kHz BFU450C4N |
| CN1 | 0B82791A | 2P Connector 250mm |
| TP3 | 0B81634A | 2P-T Post |
| | — MPX — | |
| IC351 | 0B11245A | IC LA3400N |
| Q351 | 0B10062A | TR DTC144ES |
| Q352,353 | 0B10058A | TR DTA114ES |
| Q354,355 | 0B06299A | TR 2SC2878 |
| D351,352 353 | 0B06398A | SiD 1SS176 |
| L351,352 | 0B51237A | MPX Filter |
| VR351 | 0B32066A | Semi VR 220K |
| R352,353 | 0B09721A | RK 68K 1/6W J |
| R354,355 | 0B09723A | RK 82K 1/6W J |
| R356-359 368 | 0B09689A | RK 3.3K 1/6W J (5) |
| R360,361 | 0B09685A | RK 2.2K 1/6W J |
| R362,363 | 0B09695A | RK 5.6K 1/6W J |
| R364 | 0B09663A | RK 270 1/6W J |
| R369 | 0B09701A | RK 10K 1/6W J |
| C351 | 0B40418A | CE 330μ 16V (LN) |
| C352 | 0B41290A | CMM 0.022μ 50V J |
| C353,354 366,367 | 0B09816A | CE 10μ 16V (LN) |
| C355,358 362 | 0B01405A | CE 1μ 50V |
| C356,357 | 0B01412A | CE 10μ 16V |
| C359 | 0B41555A | CC 0.047μ 25V |
| C360 | 0B09287A | CC 680P 50V K |
| C361 | 0B40023A | CE 0.22μ 50V J |
| C364,365 | 0B41404A | CP 560P 50V J |
| C368,369 | 0B41281A | CMM 3900P 50V J |
| X351 | 0B90172A | Ceramic Filter CSB456F11 |
| TP2 | 0B81635A | 3P-T Post |
| | — Sync. Cont. — | |
| IC651 | 0B11159A | IC TD6104 |
| IC652 | 0B11161A | IC TC9147BP |
| IC653 | 0B06219A | IC μPD4081BC |
| Q651,652 | 0B10088A | TR 2SC1815L (GR) |
| Q653,657 660,661 | 0B01872A | TR 2SC945L (P,Q) |
| Q654,656 658,662 663 | 0B10068A | TR DTC114ES |
| Q655 | 0B10058A | TR DTA114ES |
| Q659 | 0B06013A | TR 2SA733 (P,Q) |
| Q664,665 | 0B06372A | TR 2SA953 (K,L) |
| D301,664 666 | 0B06181A | SiD 1SS53 |
| D651 653-659 661,662 663,665 | 0B06398A | SiD 1SS176 (12) |
| D652 | 0B12363A | SiD MA700 |
| D660 | 0B12100A | SiD MC921 |
| L651 | 0B51239A | Micro Coil 22μH |
| X651 | 0B92006A | Crystal 7.2MHz |
| R653,656 657,664 667,669 672,676 677,683 685,688 | 0B09725A | RK 100K 1/6W J |
| R654 | 0B09661A | RK 220 1/6W J |
| R655,660 | 0B09677A | RK 1K 1/6W J |
| R658,662 665,678 692,693 | 0B09701A | RK 10K 1/6W J |
| R661 | 0B09699A | RK 8.2K 1/6W J |
| R663 | 0B24114A | RF 1K 1/2W J |
| R666,687 | 0B09707A | RK 18K 1/6W J |
| R670,671 691 | 0B09721A | RK 68K 1/6W J |
| R673,679 682,690 | 0B09719A | RK 56K 1/6W J |
| R674,675 680,681 | 0B09749A | RK 1M 1/6W J |
| R684 | 0B09727A | RK 120K 1/6W J |
| R686 | 0B09693A | RK 4.7K 1/6W J |
| R689 | 0B09709A | RK 22K 1/6W J |
| R694,695 | 0B09717A | RK 47K 1/6W J |
| C651 | 0B01403A | CE 47μ 16V |
| C652,663 668-673 679 | 0B41554A | CC 0.022μ 25V (9) |
| C653 | 0B41187A | CC 39P 50V J |
| C654 | 0B09586A | CC 2200P 50V K |
| C655 | 0B09288A | CC 1000P 50V K |
| C656 | 0B40103A | CE 47μ 16V |
| C657 | 0B09327A | CE 0.33μ 50V (LN) |
| C658 | 0B41298A | CMM 0.1μ 50V J |
| C659 | 0B41553A | CC 0.01μ 25V |
| C661,666 674,678 | 0B01405A | CE 1μ 50V |
| C662,677 | 0B01400A | CE 100μ 16V |
| C664 | 0B41708A | CC 22P 50V J |
| C665 | 0B41709A | CC 47P 50V J |
| C667 | 0B40111A | CE 0.47μ 50V |
| C675 | 0B41304A | CMM 0.33μ 50V J |
| C676 | 0B01863A | CE 3.3μ 50V |
| M651 | 0B90200B | Lithium Battery 3V CR2430-FT4-1 |
| CN8 | 0B81639A | 7P-T Post |
| CN9 | 0B81638A | 6P-T Post |
| CN10 | 0B81635A | 3P-T Post |
| CN12 | 0B81644A | 12P-T Post |
| CN13 | 0B81637A | 5P-T Post |
| CN14 | 0B82802A | 4P Connector |
| | — Eq. Amp. — | |
| IC391 | 0B06146A | IC NJM4558DD |
| Q101,102 201,202 | 0B10195A | FET 2SK146 (BL,V) |
| Q103,203 | 0B01872A | TR 2SC945L (P,Q) |
| ZD101,201 | 0B12168A | ZD 10V RD10JS-T1B2 |
| D101,102 201,202 | 0B06398A | SiD 1SS176 |
| R101,201 | 0B22423A | RM 51.0K 1/6W F |
| R102,202 | 0B22684A | RM 5.62 1/4W F |
| R103,203 | 0B09695A | RK 5.6K 1/6W J |
| R104,105 204,205 | 0B09356A | RM 4.7K 1/4W F |
| R106,206 | 0B22039A | RM 22.6 1/6W F |
| R107,207 | 0B22253A | RM 1.69K 1/6W F |
| R108,208 | 0B22635A | RM 1.21K 1/4W F |
| R109,209 | 0B22493A | RM 220K 1/6W F |
| R110,122 152,210 222,252 | 0B22457A | RM 100K 1/6W F |
| R111,211 | 0B09562A | RM 75.0K 1/4W F |
| R112,212 | 0B22641A | RM 887K 1/4W F |
| R113,213 | 0B22576A | RM 475 1/4W F |
| R115,215 | 0B22567A | RM 100 1/4W F |
| R116,216 | 0B22643A | RM 47.5 1/4W F |
| R117,217 | 0B09891A | RM 80.6 1/4W F |
| C101,201 | 0B41703A | CSP 100P 50V J |
| C102,202 | 0B41585A | CM 0.015μ 50V J |
| C103,104 122,203 204,222 | 0B09816A | CE 10μ 16V (LN) |
| C105,205 | 0B41238A | CP 3600P 100V J |
| C106,124 206,224 | 0B41225A | CP 1000P 100V J |
| C108,208 | 0B41706A | CSP 3600P 50V J |
| C121,221 | 0B40422A | CE 220μ 10V (LN) |
| C391,396 | 0B41304A | CMM 0.33μ 50V J |
| SW301 | 0B70076A | Push Switch 4-2 |
| SW302 | 0B70078A | Slide Switch 4-2 |
| CN34 | 0B82862A | 10P Connector |
| | BA06317A | Eq. Sub. P.C.B. Ass'y |
| | — Subsonic Filter — | |
| IC392 | 0B11005A | IC NJM072DE |
| Q104,204 | 0B06299A | TR 2SC2878 |
| ZD403 | 0B12186A | ZD 18V RD18JSB2 |
| D401 | 0B06398A | SiD 1SS176 |
| R114,214 | 0B22303A | RM 4.53K 1/6W F |
| R118,218 | 0B09749A | RK 1M 1/6W J |
| R119,154 219 | 0B09741A | RK 470K 1/6W J |
| R120,220 | 0B22247A | RM 1.50K 1/6W F |
| R254 | 0B01684A | RK 470K 1/4W J |
| R416 | 0B09727A | RK 120K 1/6W J |
| C107,207 | 0B09933A | CE 2.2μ 50V (LN) |
| C109,209 | 0B05582A | CM 0.022μ 50V J |
| C120,220 | 0B41298A | CMM 0.1μ 50V J |
| C392 | 0B40117A | CE 22μ 50V |
| CN4 | 0B81636A | 4P-T Post |
| HJ | 0B82215A | PD Connector V090 |
| | — Power Supply — | |
| Q401,403 407,409 | 0B06013A | TR 2SA733 (P,Q) |
| Q402,404 408 | 0B01872A | TR 2SC945L (P,Q) |
| Q405 | 0B10012A | TR 2SD1415 |
| Q406 | 0B10011A | TR 2SB1020 |
| ZD401 | 0B12162A | ZD 8.2V RD8.2JS-T1B2 |
| R401,402 | 0B09725A | RK 100K 1/6W J |
| R403,404 | 0B09669A | RK 470 1/6W J |
| R405 | 0B09695A | RK 5.6K 1/6W J |
| R406,407 408,409 | 0B22343A | RM 10.0K 1/6W F |
| F410,411 | 0B11248A | IC Protector ICP-N5 |
| C394,395 | 0B41507A | C 22P 50V J |
| C450,451 | 0B40466A | CE 47μ 25V (LN) |
| CN3 | 0B81635A | 3P-T Post |
| GJ | 0B82135B | PD Connector V130 (1) |
| | 0B08680B | Heat Sink A (2) |
| | 0E00972A | Nut Hex. M3 (2) |
| | 0E03319A | M3x8 ⊕Binding (2) |
| | — Tuner Buffer — | |
| IC394 | 0B11070A | IC NJM072S |
| R141-144 241-244 | 0B01889A | RK 100K 1/4W J (8) |
| R151,251 | 0B01857A | RK 1K 1/4W J |
| C118,218 | 0B09814A | CE 1μ 50V (LN) |
| | — Input Sel. — | |
| R145,146 147,149 245,246 247,249 | 0B09733A | RK 220K 1/6W J |
| R148,248 250 | 0B09491A | RM 1.00K 1/4W F |
| R150 | 0B22229A | RM 1.00K 1/6W F |
| R161 | 0B22324A | RM 6.80K 1/6W F |
| R261 | 0B09529A | RM 6.8K 1/4W F |
| R391 | 0B09681A | RK 1.5K 1/6W J |
| R395 | 0B05794A | RK 680 1/4W J |
| R396 | 0B05509A | RK 33K 1/4W J |
| C130,230 | 0B09814A | CE 1μ 50V (LN) |
| C339,399 | 0B41298A | CMM 0.1μ 50V J |
| C397 | 0B40120A | CE 100μ 50V |
| C398 | 0B01674A | CE 10μ 25V |
| RL301 | 0B90204A | Relay FBR42ND024P |
| SW305 | 0B70082A | Rotary Slide Switch 4-4 |
| SW307 | 0B70083A | Rotary Slide Switch 8-6 |
| CN5,6 | 0B81013A | Dip Mate 6P |
| CN27A | 0B82750A | PD Connector V80 |
| CN27B 28B,32 | 0B82751A | PD Connector V80 |
| CN28A | 0B82752A | PD Connector V80 |
| CN30 | 0B82806A | 5P Connector |
| | 0B82733B | Ribbon Cable 6P (1) |
| | 0B81593A | 4P Pin Jack (3) |
| | 0B81020A | 2P Pin Jack (1) |
| | — Protector — | |
| IC901 | 0B11246A | IC μPC1237H |
| Q714,716 814,816 | 0B10050A | TR 2SA970 (BL) |
| Q715,815 | 0B06142A | TR 2SC2240 (BL) |
| Q901 | 0B06322A | TR 2SC2002 (K,L) |
| Q902 | 0B06372A | TR 2SA953 (K,L) |
| ZD702,802 | 0B12390A | ZD 13V RD13EB3 |
| ZD901 | 0B06123A | ZD 12V RD12EB3 |
| D901,902 | 0B06181A | SiD 1SS53 |
| R733,833 | 0B01681A | RK 3.3K 1/4W J |
| R734,740 834,840 | 0B05627A | RK 330K 1/4W J |
| R735,737 835,837 | 0B01856A | RK 8.2K 1/4W J |
| R736,836 | 0B05625A | RK 220K 1/4W J |
| R739,839 | 0B05621A | RK 120K 1/4W J |
| R901 | 0B01888A | RK 10K 1/4W J |
| R902 | 0B01682A | RK 6.8K 1/4W J |
| R903 | 0B24113A | RF 2.2K 1/2W J |
| R904 | 0B05641A | RK 47K 1/4W J |
| R905 | 0B01933A | RK 220 1/4W J |
| R906 | 0B01889A | RK 100K 1/4W J |
| R907 | 0B09263A | RK 12K 1/4W J |
| R908 | 0B05508A | RK 56K 1/4W J |
| R909 | 0B24107A | RF 1K 2W J |
| C901 | 0B40408A | CE 330μ 10V (BP) |
| C902 | 0B40116A | CE 10μ 50V |
| C903 | 0B09372A | CE 2.2μ 50V |
| C905 | 0B01400A | CE 100μ 16V |
| RL901 | 0B90199A | Relay 24V |
| CN11 | 0B82799A | 3P Connector |
| | — Power Amp. — | |
| Q701-704 706,707 801-804 806,807 | 0B06142A | TR 2SC2240 (BL) (12) |
| Q705,708 805,808 | 0B10050A | TR 2SA970 (BL) |
| ZD701,801 | 0B12162A | ZD 8.2V RD8.2JSB2 |
| VR701,801 | 0B32078A | Semi VR 4.7K |
| R701,711 801,811 | 0B09441A | RM 22K 1/4W F |
| R702,713 714,802 813,814 | 0B09420A | RM 2.2K 1/4W F |
| R703,803 | 0B09421A | RM 2.67K 1/4W F |
| R704,804 | 0B01857A | RK 1K 1/4W J |
| R705,805 | 0B22635A | RM 1.21K 1/4W F |
| R706,806 | 0B24111A | RF 22K 1/2W J |
| R707,807 | 0B01846A | RK 4.7K 1/4W J |
| R708,808 | 0B05959A | RK 75 1/4W J |
| R709,809 | 0B05623A | RK 1.2K 1/4W J |
| R710,810 | 0B01933A | RK 220 1/4W J |
| R712,715 812,815 | 0B22632A | RM 75 1/4W F |
| R716,816 | 0B05622A | RK 2.2K 1/4W J |
| R717,720 817,820 | 0B24110A | RF 10 1/2W J |
| R718,719 818,819 | 0B22700A | RM 3.32 1/4W F |
| R721,722 821,822 | 0B24094A | RC 1 5W K |
| R741,841 | 0B24112A | RF 5.6 1W J |
| R743,843 | 0B22457A | RM 100K 1/6W F |
| R750,850 | 0B01683A | RK 15K 1/4W J |
| C701,801 | 0B41213A | CP 330P 100V J |
| C702,802 | 0B40421A | CE 220μ 25V (LN) |
| C703,803 | 0B41225A | CP 1000P 100V J |
| C704,705 804,805 | 0B41702A | CSP 22P 50V J |
| C706,806 | 0B41594A | CM 0.1μ 100V J |
| C707,807 | 0B09816A | CE 10μ 16V (LN) |
| TP4L,4R | 0B81634A | 2P-T Post |
| | — Miscellaneous — | |
| | 0B60377F | Main P.C.B. |
| Q709,809 | 0B06303A | TR 2SB772 (P,Q) |
| Q710,810 | 0B10121A | TR 2SD1407 |
| Q711,811 | 0B10120A | TR 2SB1016 |
| Q712,812 | 0B10178A | TR 2SA1386 (P,Y) |
| Q713,813 | 0B10180A | TR 2SC3519 (P,Y) |
| TH901 | 0B19004A | Thermistor 50KD-5 |
| | 0B90201A | Insulator (2) |
| | 0B82748B | PD Connector V300 (1) |
| | 0E00868A | BT3x8 ⊕Binding (4) |
| | 0E03138A | M3x10 ⊕Binding (10) |
| | 0J05199A | Heat Sink (1) |
| | 0J05205A | Heat Sink Holder A (1) |
| | 0J05207A | Main P.C.B. Holder (1) |
| | 0J05212C | Thermistor Holder (1) |
| | 0E00607A | M3x8 ⊕Pan (3A) (2) |
| | 0B90078A | Antenna Terminal (1) |
| | 0B90019A | Insu-Lock SKB80 (1) |
| | 0M04956A | Lithium Battery Caution Label (1) |
| | BA06317A | Eq. Sub P.C.B. Ass'y |
| | 0B60394B | Eq. Sub P.C.B. |
| Q106,206 | 0B06299A | TR 2SC2878 |
| Q107 | 0B10050A | TR 2SA970 (BL) |
| ZD103 | 0B12321A | ZD 15V MTZ15C |
| R156,256 | 0B09677A | RK 1K 1/6W J |
| R157,257 | 0B09749A | RK 1M 1/6W J |
| R158,159 | 0B09725A | RK 100K 1/6W J |
| R160 | 0B09737A | RK 330K 1/6W J |
| CN34 | 0B81631A | 10P Connector |

### 5.14. Eq. Sub P.C.B. Ass'y

Note: This P.C.B. Ass'y is included in the Eq. Amp. section of the Main P.C.B. Ass'y.

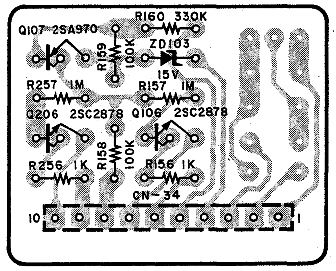


Fig. 5.14

### 5.13.4. For SR-3E (Germany)

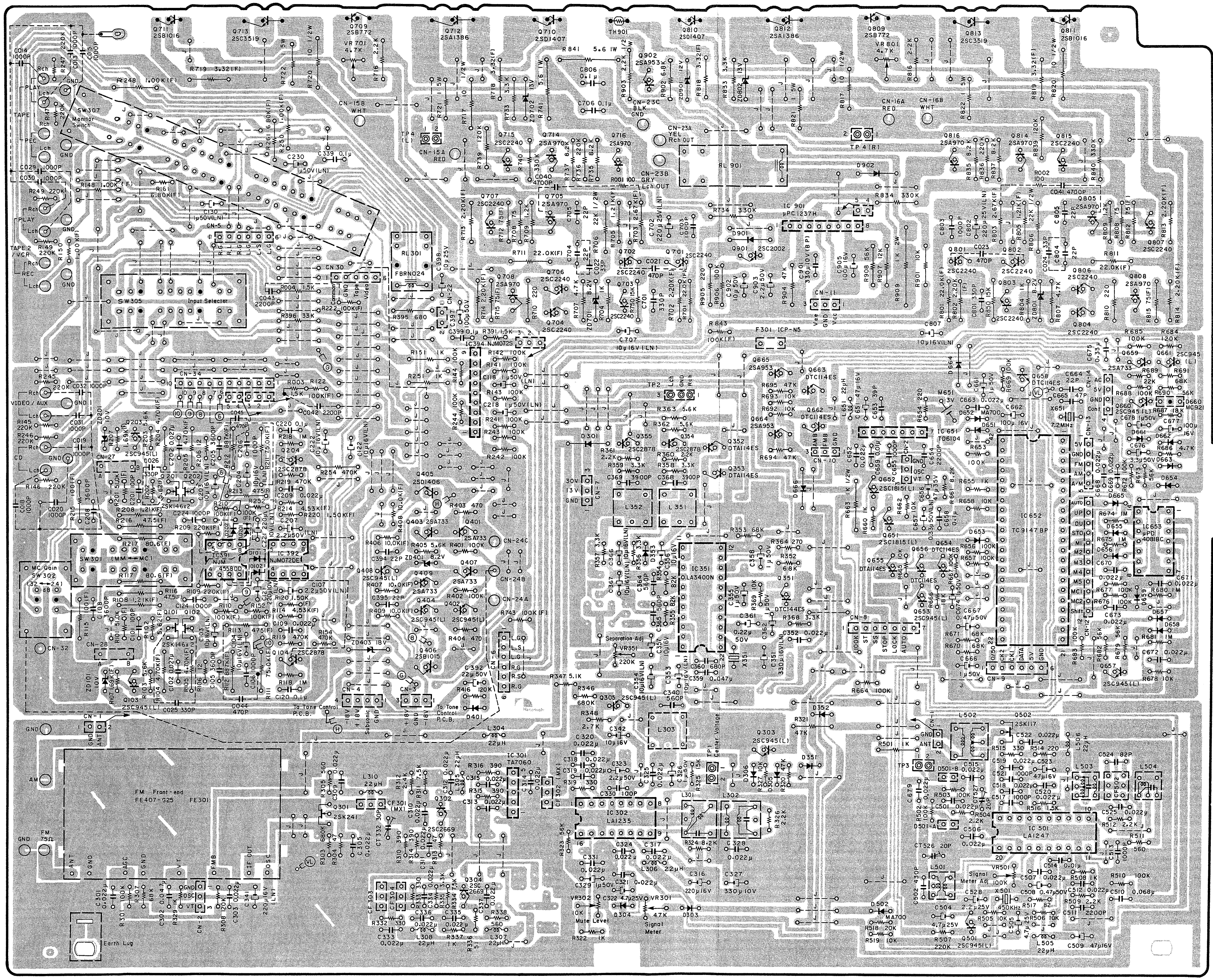

Q711 2SB1016
Q713 2SC3519
Q709 2SB772
Q712 2SA1386
Q710 2SD1407
TH901
Q810 2SD1407
Q812 2SA1386
Q809 2SB772
Q813 2SC3519
Q811 2SB1016
SW307 Monitor Switch
SW 305 Input Selector
RL 301
RL 901
IC 901 μPC1237H
IC 351 LA3400N
IC 652 TC9147BP
IC 302 LA1235
IC 301 TA7060
IC 501 LA1247
FM Front-end FE407-G25
Separation Adj
Center Voltage
Signal Meter Adj
Mute Level
Signal Meter
To Tone Control P.C.B.
Earth Lug
MC Gain SW 302
TAPE
PLAY
REC
TAPE 2 / VCR
VIDEO / AUX
CD
GND
AM
FM 75Ω

Fig. 5.13.4 For SR-3E (Germany)

| Schematic Ref. No. | Part No. | Description |
|---|---|---|
| | BA06825A | Main P.C.B. Ass'y (SR-3E (Germany |
| | — FM — | |
| IC301 | 0B11156A | IC TA7060AP |
| IC302 | 0B11157A | IC LA1235 |
| Q301 | 0B10127A | FET 2SK241 (GR |
| Q302,304 | 0B10174A | TR 2SC2669 (O, |
| Q303,305 | 0B01872A | TR 2SC945L (P, |
| D303-306 | 0B06398A | SiD 1SS176 ( |
| L301 | 0B51240A | FM Det. Coil A |
| L302 | 0B51241A | FM Det. Coil B |
| L303 | 0B51238A | Anti-birdy Filter |
| L304-308 310 | 0B51239A | Micro Coil 22μH ( |
| VR301 | 0B32084A | Semi VR 47K |
| VR302 | 0B32080A | Semi VR 10K |
| R301 | 0B09725A | RK 100K 1/6W |
| R303,346 | 0B09745A | RK 680K 1/6W |
| R304,313 | 0B09645A | RK 47 1/6W |
| R305,338 | 0B09671A | RK 560 1/6W |
| R307 | 0B09721A | RK 68K 1/6W |
| R308 | 0B09727A | RK 120K 1/6W J |
| R310,314 315,316 | 0B09667A | RK 390 1/6W |
| R311,334 | 0B09698A | RK 7.5K 1/6W J |
| R312 | 0B09686A | RK 2.4K 1/6W |
| R319,332 333 | 0B09665A | RK 330 1/6W J |
| R320 | 0B09717A | RK 47K 1/6W J |
| R321 | 0B05641A | RK 47K 1/4W J |
| R322,329 337 | 0B09677A | RK 1K 1/6W J |
| R323 | 0B09719A | RK 56K 1/6W J |
| R324 | 0B09699A | RK 8.2K 1/6W J |
| R325 | 0B09705A | RK 15K 1/6W J |
| R326 | 0B09685A | RK 2.2K 1/6W J |
| R327 | 0B09701A | RK 10K 1/6W J |
| R335 | 0B09689A | RK 3.3K 1/6W J |
| R336 | 0B09646A | RK 51 1/6W J |
| R347 | 0B09694A | RK 5.1K 1/6W J |
| R348 | 0B09687A | RK 2.7K 1/6W J |
| CF301,302 | 0B41818A | Ceramic Filter SFE10.7MX2K-A |
| CF303,304 | 0B41746A | Ceramic Filter SFE10.7MS3GH1 |
| CT332 | 0B41614A | C Trimmer 30P |
| C301,303 305,309 310,311 313,314 315,318 319,320 321,324 325,328 331,333 334,335 336,337 | 0B41554A | CC 0.022μ 25V Z |
| C302 | 0B41294A | CMM 0.047μ 50V |
| C312,317 | 0B41290A | CMM 0.022μ 50V |
| C316 | 0B40079A | CE 220μ 16V |
| C322 | 0B01402A | CE 4.7μ 25V |
| C323 | 0B09372A | CE 2.2μ 50V |
| C326,329 | 0B01405A | CE 1μ 50V |
| C327 | 0B40066A | CE 330μ 10V |
| C330 | 0B41071A | CC 100P 50V J |
| C340 | 0B41404A | CP 560P 50V J |
| C341 | 0B40420A | CE 220μ 16V (L |
| C342 | 0B01412A | CE 10μ 16V |
| F301 | 0B11248A | IC Protector ICP-N |
| FE301 | 0B91017A | Front-end FE407-G25 |
| CN2 | 0B83053A | 3P Connector W24 |
| CN7 | 0B82795A | 3P Connector 370mm |
| TP1 | 0B81634A | 2P-T Post |
| | 0E03355A | Earth Lug (1 |
| | — AM — | |
| IC501 | 0B11243A | IC LA1247 |
| Q501 | 0B01872A | TR 2SC945L (P, |
| Q502 | 0B06129A | FET 2SK117 (Y) |
| D501 | 0B12386A | Varicap KV1226Y |
| D502 | 0B12363A | SiD MA700 |
| L501 | 0B51235A | Osc. Coil |

| Schematic Ref. No. | Part No. | Description |
|---|---|---|
| L502 | 0B51236A | Ant. Coil |
| L503 | 0B51234A | IFT 2 AM |
| L504 | 0B51233A | IFT 1 AM |
| L505,506 | 0B51239A | Micro Coil 22μH |
| VR501 | 0B32086A | Semi VR 100K |
| R501 | 0B01857A | RK 1K 1/4W J |
| R502,503 510 | 0B09725A | RK 100K 1/6W J |
| R504,509 512 | 0B09685A | RK 2.2K 1/6W J |
| R505,506 519 | 0B09701A | RK 10K 1/6W J |
| R507 | 0B09733A | RK 220K 1/6W J |
| R508 | 0B09677A | RK 1K 1/6W J |
| R511 | 0B09671A | RK 560 1/6W J |
| R514 | 0B09661A | RK 220 1/6W J |
| R515 | 0B09665A | RK 330 1/6W J |
| R516 | 0B09681A | RK 1.5K 1/6W J |
| R517 | 0B09651A | RK 82 1/6W J |
| R518 | 0B09708A | RK 20K 1/6W J |
| CF502 | 0B41701A | Ceramic Filter SFZ450G3L |
| CT526,527 | 0B42005A | C Trimmer 20P |
| C501,506 507,512 515,518 519,520 522,525 | 0B41554A | CC 0.022μ 25V |
| C502 | 0B41401A | CP 430P 50V J |
| C504,505 | 0B01402A | CE 4.7μ 25V |
| C508 | 0B40111A | CE 0.47μ 50V |
| C509,523 | 0B01403A | CE 47μ 16V |
| C510 | 0B41296A | CMM 0.068μ 50V J |
| C511 | 0B09586A | CC 2200P 50V K |
| C513,517 521 | 0B09288A | CC 1000P 50V K |
| C514 | 0B41553A | CC 0.01μ 25V |
| C524 | 0B41711A | CC 82P 50V K |
| C528 | 0B09372A | CE 2.2μ 50V |
| X501 | 0B92003A | Crystal 450kHz BFU450C4N |
| CN1 | 0B82791A | 2P Connector 250mm |
| TP3 | 0B81634A | 2P-T Post |
|  | — MPX — |  |
| IC351 | 0B11245A | IC LA3400N |
| Q351 | 0B10062A | TR DTC144ES |
| Q352,353 | 0B10058A | TR DTA114ES |
| Q354,355 | 0B06299A | TR 2SC2878 |
| D351,352 353 | 0B06398A | SiD 1SS176 |
| L351,352 | 0B51237A | MPX Filter |
| VR351 | 0B32066A | Semi VR 220K |
| R352,353 | 0B09721A | RK 68K 1/6W J |
| R354,355 | 0B09723A | RK 82K 1/6W J |
| R356-359 368 | 0B09689A | RK 3.3K 1/6W J (5) |
| R360,361 | 0B09685A | RK 2.2K 1/6W J |
| R362,363 | 0B09695A | RK 5.6K 1/6W J |
| R364 | 0B09663A | RK 270 1/6W J |
| R369 | 0B09701A | RK 10K 1/6W J |
| C351 | 0B40418A | CE 330μ 16V (LN) |
| C352 | 0B41290A | CMM 0.022μ 50V J |
| C353,354 366,367 | 0B09816A | CE 10μ 16V (LN) |
| C355,358 362 | 0B01405A | CE 1μ 50V |
| C356,357 | 0B01412A | CE 10μ 16V |
| C359 | 0B41555A | CC 0.047μ 25V |
| C360 | 0B09287A | CC 680P 50V K |
| C361 | 0B40023A | CE 0.22μ 50V J |
| C364,365 | 0B41404A | CP 560P 50V J |
| C368,369 | 0B41281A | CMM 3900P 50V J |
| X351 | 0B90172A | Ceramic Filter CSB456F11 |
| TP2 | 0B81635A | 3P-T Post |
|  | — Sync. Cont. — |  |
| IC651 | 0B11159A | IC TD6104 |
| IC652 | 0B11161A | IC TC9147BP |
| IC653 | 0B06219A | IC μPD4081BC |
| Q651,652 | 0B10088A | TR 2SC1815L (GR) |
| Q653,657 660,661 | 0B01872A | TR 2SC945L (P,Q) |
| Q654,656 658,662 663 | 0B10068A | TR DTC114ES |
| Q655 | 0B10058A | TR DTA114ES |
| Q659 | 0B06013A | TR 2SA733 (P,Q) |
| Q664,665 | 0B06372A | TR 2SA953 (K,L) |
| D301,664 666 | 0B06181A | SiD 1SS53 |
| D651 653-659 661,662 663,665 | 0B06398A | SiD 1SS176 (12) |
| D652 | 0B12363A | SiD MA700 |
| D660 | 0B12100A | SiD MC921 |
| L651 | 0B51239A | Micro Coil 22μH |
| X651 | 0B92006A | Crystal 7.2MHz |
| R653,656 657,664 667,669 672,676 677,683 685,688 | 0B09725A | RK 100K 1/6W J |
| R654 | 0B09661A | RK 220 1/6W J |
| R655,660 | 0B09677A | RK 1K 1/6W J |
| R658,662 665,678 692,693 | 0B09701A | RK 10K 1/6W J |
| R661 | 0B09699A | RK 8.2K 1/6W J |
| R663 | 0B24114A | RF 1K 1/2W J |
| R666,687 | 0B09707A | RK 18K 1/6W J |
| R670,671 691 | 0B09721A | RK 68K 1/6W J |
| R673,679 682,690 | 0B09719A | RK 56K 1/6W J |
| R674,675 680,681 | 0B09749A | RK 1M 1/6W J |
| R684 | 0B09727A | RK 120K 1/6W J |
| R686 | 0B09693A | RK 4.7K 1/6W J |
| R689 | 0B09709A | RK 22K 1/6W J |
| R694,695 | 0B09717A | RK 47K 1/6W J |
| C651 | 0B01403A | CE 47μ 16V |
| C652,663 668-673 679 | 0B41554A | CC 0.022μ 25V (9) |
| C653 | 0B41187A | CC 39P 50V J |
| C654 | 0B09586A | CC 2200P 50V K |
| C655 | 0B09288A | CC 1000P 50V K |
| C656 | 0B40103A | CE 47μ 16V |
| C657 | 0B09327A | CE 0.33μ 50V (LN) |
| C658 | 0B41298A | CMM 0.1μ 50V J |
| C659 | 0B41553A | CC 0.01μ 25V |
| C661,666 674,678 | 0B01405A | CE 1μ 50V |
| C662,677 | 0B01400A | CE 100μ 16V |
| C664 | 0B41708A | CC 22P 50V J |
| C665 | 0B41709A | CC 47P 50V J |
| C667 | 0B40111A | CE 0.47μ 50V |
| C675 | 0B41304A | CMM 0.33μ 50V J |
| C676 | 0B01863A | CE 3.3μ 50V |
| M651 | 0B90200B | Lithium Battery 3V CR2430-FT4-1 |
| CN8 | 0B81639A | 7P-T Post |
| CN9 | 0B81638A | 6P-T Post |
| CN10 | 0B81635A | 3P-T Post |
| CN12 | 0B81644A | 12P-T Post |
| CN13 | 0B81637A | 5P-T Post |
| CN14 | 0B82802A | 4P Connector |
|  | — Eq. Amp. — |  |
| IC391 | 0B06146A | IC NJM4558DD |
| Q101,102 201,202 | 0B10195A | FET 2SK146 (BL,V) |
| Q103,203 | 0B01872A | TR 2SC945L (P,Q) |
| ZD101,201 | 0B12168A | ZD 10V RD10JS-T1B2 |
| D101,102 201,202 | 0B06398A | SiD 1SS176 |
| R101,201 | 0B22423A | RM 51.0K 1/6W F |
| R102,202 | 0B22684A | RM 5.62 1/4W F |
| R103,203 | 0B09695A | RK 5.6K 1/6W J |
| R104,105 204,205 | 0B09356A | RM 4.7K 1/4W F |
| R106,206 | 0B09631A | RK 12 1/6W J |
| R107,207 | 0B22253A | RM 1.69K 1/6W F |
| R108,208 | 0B22635A | RM 1.21K 1/4W F |
| R109,209 | 0B22493A | RM 220K 1/6W F |
| R110,122 152,210 222,252 | 0B22457A | RM 100K 1/6W F |
| R111,211 | 0B09562A | RM 75.0K 1/4W F |
| R112,212 | 0B22641A | RM 887K 1/4W F |
| R113,213 | 0B22576A | RM 475 1/4W F |
| R115,215 | 0B22567A | RM 100 1/4W F |
| R116,216 | 0B22643A | RM 47.5 1/4W F |
| R117,217 | 0B09891A | RM 80.6 1/4W F |
| C044,045 | 0B41803A | C 470P 50V J |
| C101,201 | 0B41703A | CSP 100P 50V J |
| C102,202 | 0B04129A | CMM 0.027μ 50V J |
| C103,104 122,203 204,222 | 0B09816A | CE 10μ 16V (LN) |
| C105,205 | 0B41238A | CP 3600P 100V J |
| C106,124 206,224 | 0B41225A | CP 1000P 100V J |
| C108,208 | 0B41706A | CSP 3600P 50V J |
| C121,221 | 0B40422A | CE 220μ 10V (LN) |
| SW301 | 0B70076A | Push Switch 4-2 |
| SW302 | 0B70078A | Slide Switch 4-2 |
| CN34 | 0B82862A | 10P Connector |
|  | BA06317A | Eq. Sub P.C.B. Ass'y |
|  | BA06803A | Phono Input P.C.B. Ass'y |
|  | — Subsonic Filter — |  |
| IC392 | 0B11005A | IC NJM072DE |
| Q104,204 | 0B06299A | TR 2SC2878 |
| ZD403 | 0B12186A | ZD 18V RD18JSB2 |
| D401 | 0B06398A | SiD 1SS176 |
| R114,214 | 0B22303A | RM 4.53K 1/6W F |
| R118,218 | 0B09749A | RK 1M 1/6W J |
| R119,154 219 | 0B09741A | RK 470K 1/6W J |
| R120,220 | 0B22247A | RM 1.50K 1/6W F |
| R254 | 0B01684A | RK 470K 1/4W J |
| R416 | 0B09727A | RK 120K 1/6W J |
| C107,207 | 0B09933A | CE 2.2μ 50V (LN) |
| C109,209 | 0B05582A | CM 0.022μ 50V J |
| C120,220 | 0B41298A | CMM 0.1μ 50V J |
| C392 | 0B40117A | CE 22μ 50V |
| CN4 | 0B81636A | 4P-T Post |
| HJ | 0B82215A | PD Connector V090 |
|  | — Power Supply — |  |
| Q401,403 407,409 | 0B06013A | TR 2SA733 (P,Q) |
| Q402,404 408 | 0B01872A | TR 2SC945L (P,Q) |
| Q405 | 0B06452A | TR 2SD1406 (Y) |
| Q406 | 0B06451A | TR 2SB1015 (Y) |
| ZD401 | 0B12162A | ZD 8.2V RD8.2JS-T1B2 |
| R401,402 | 0B09725A | RK 100K 1/6W J |
| R403,404 | 0B09669A | RK 470 1/6W J |
| R405 | 0B09695A | RK 5.6K 1/6W J |
| R406,407 408,409 | 0B22343A | RM 10.0K 1/6W F |
| C394,395 | 0B41507A | C 22P 50V J |
| CN3 | 0B81635A | 3P-T Post |
| GJ | 0B82135B | PD Connector V130 (1) |
|  | 0B08680B | Heat Sink A (2) |
|  | 0E00972A | Nut Hex. M3 (2) |
|  | 0E03319A | M3x8 ⊕Binding (2) |
|  | — Tuner Buffer — |  |
| IC394 | 0B11070A | IC NJM072S |
| R141-144 241-244 | 0B01889A | RK 100K 1/4W J (8) |
| R151,251 | 0B01857A | RK 1K 1/4W J |
| C118,218 | 0B09814A | CE 1μ 50V (LN) |
|  | — Input Sel. — |  |
| R003,004 | 0B05698A | RK 1.5K 1/4W J |
| R145,146 147,149 245,246 247,249 | 0B09733A | RK 220K 1/6W J |
| R148,248 250 | 0B09491A | RM 1.00K 1/4W F |
| R150 | 0B22229A | RM 1.00K 1/6W F |
| R161 | 0B22324A | RM 6.80K 1/6W F |
| R261 | 0B09529A | RM 6.8K 1/4W F |
| R391 | 0B09681A | RK 1.5K 1/6W J |
| R395 | 0B05794A | RK 680 1/4W J |
| R396 | 0B05509A | RK 33K 1/4W J |
| C042,043 | 0B41418A | CP 2200P 50V J |
| C130,230 | 0B09814A | CE 1μ 50V (LN) |
| C339,399 | 0B41298A | CMM 0.1μ 50V J |
| C397 | 0B40120A | CE 100μ 50V |
| C398 | 0B01674A | CE 10μ 25V |
| RL301 | 0B90204A | Relay FBR42ND024P |
| SW305 | 0B70082A | Rotary Slide Switch 4-4 |
| SW307 | 0B70083A | Rotary Slide Switch 8-6 |
| CN5,6 | 0B81013A | Dip Mate 6P |
| CN30 | 0B82806A | 5P Connector |
| CN32 | 0B82751A | PD Connector V80 |
|  | 0B81593A | 4P Pin Jack (3) |
|  | — Protector — |  |
| IC901 | 0B11246A | IC μPC1237H |
| Q714,716 814,816 | 0B10050A | TR 2SA970 (BL) |
| Q715,815 | 0B06142A | TR 2SC2240 (BL) |
| Q901 | 0B06322A | TR 2SC2002 (K,L) |
| Q902 | 0B06372A | TR 2SA953 (K,L) |
| ZD702,802 | 0B12390A | ZD 13V RD13EB3 |
| ZD901 | 0B06123A | ZD 12V RD12EB3 |
| D901,902 | 0B06181A | SiD 1SS53 |
| R733,833 | 0B01681A | RK 3.3K 1/4W J |
| R734,740 834,840 | 0B05627A | RK 330K 1/4W J |
| R735,737 835,837 | 0B01856A | RK 8.2K 1/4W J |
| R736,836 | 0B05625A | RK 220K 1/4W J |
| R739,839 | 0B05621A | RK 120K 1/4W J |
| R901 | 0B01888A | RK 10K 1/4W J |
| R902 | 0B01682A | RK 6.8K 1/4W J |
| R903 | 0B24113A | RF 2.2K 1/2W J |
| R904 | 0B05641A | RK 47K 1/4W J |
| R905 | 0B01933A | RK 220 1/4W J |
| R906 | 0B01889A | RK 100K 1/4W J |
| R907 | 0B09263A | RK 12K 1/4W J |
| R908 | 0B05508A | RK 56K 1/4W J |
| R909 | 0B24107A | RF 1K 2W J |
| C901 | 0B40408A | CE 330μ 10V (BP) |
| C902 | 0B40116A | CE 10μ 50V |
| C903 | 0B09372A | CE 2.2μ 50V |
| C905 | 0B01400A | CE 100μ 16V |
| RL901 | 0B90199A | Relay 24V |
| CN11 | 0B82799A | 3P Connector |
|  | — Power Amp. — |  |
| Q701-704 706,707 801-804 806,807 | 0B06142A | TR 2SC2240 (BL) (12) |
| Q705,708 805,808 | 0B10050A | TR 2SA970 (BL) |
| ZD701,801 | 0B12162A | ZD 8.2V RD8.2JSB2 |
| VR701,801 | 0B32078A | Semi VR 4.7K |
| R701,711 801,811 | 0B09441A | RM 22K 1/4W F |
| R702,713 714,802 813,814 | 0B09420A | RM 2.2K 1/4W F |
| R703,803 | 0B09421A | RM 2.67K 1/4W F |
| R704,804 | 0B01857A | RK 1K 1/4W J |
| R705,805 | 0B22635A | RM 1.21K 1/4W F |
| R706,806 | 0B24111A | RF 22K 1/2W J |
| R707,807 | 0B01846A | RK 4.7K 1/4W J |
| R708,808 | 0B05959A | RK 75 1/4W J |
| R709,809 | 0B05623A | RK 1.2K 1/4W J |
| R710,810 | 0B01933A | RK 220 1/4W J |
| R712,715 812,815 | 0B22632A | RM 75 1/4W F |
| R716,816 | 0B05622A | RK 2.2K 1/4W J |
| R717,720 817,820 | 0B24110A | RF 10 1/2W J |
| R718,719 818,819 | 0B22700A | RM 3.32 1/4W F |
| R721,722 821,822 | 0B24094A | RC 1 5W K |
| R741,841 | 0B24112A | RF 5.6 1W J |
| R743,843 | 0B22457A | RM 100K 1/6W F |
| R750,850 | 0B01683A | RK 15K 1/4W J |
| C701,801 | 0B41213A | CP 330P 100V J |
| C702,802 | 0B40421A | CE 220μ 25V (LN) |
| C703,803 | 0B41225A | CP 1000P 100V J |
| C704,705 804,805 | 0B41702A | CSP 22P 50V J |
| C706,806 | 0B41594A | CM 0.1μ 100V J |
| C707,807 | 0B09816A | CE 10μ 16V (LN) |
| TP4L,4R | 0B81634A | 2P-T Post |
|  | — Miscellaneous — |  |
|  | 0B60377F | Main P.C.B. |
| Q709,809 | 0B06303A | TR 2SB772 (P,Q) |
| Q710,810 | 0B10121A | TR 2SD1407 |
| Q711,811 | 0B10120A | TR 2SB1016 |
| Q712,812 | 0B10178A | TR 2SA1386 (P,Y) |
| Q713,813 | 0B10180A | TR 2SC3519 (P,Y) |
| R001,002 | 0B01679A | RK 100 1/4W J |
| C013-015 018-020 029-032 | 0B41007A | C 1000P 25V (10) |
| C021,023 | 0B41803A | C 470P 50V J |
| C022,024 | 0B09370A | CC 33P 50V J |
| C025,026 | 0B09545A | C 330P 50V J |
| C040,041 | 0B41654A | CP 4700P 100V J |
| TH901 | 0B19004A | Thermistor 50KD-5 |
|  | 0B90201A | Insulator (2) |
|  | 0E00037A | Earth Lug B-5 (1) |
|  | 0B82748B | PD Connector V300 (1) |
|  | 0E00868A | BT3x8 ⊕Binding (4) |
|  | 0E03138A | M3x10 ⊕Binding (10) |
|  | 0J05199A | Heat Sink (1) |
|  | 0J05205A | Heat Sink Holder A (1) |
|  | 0J05207A | Main P.C.B. Holder (1) |
|  | 0J05212C | Thermistor Holder (1) |
|  | 0E00607A | M3x8 ⊕Pan (3A) (2) |
|  | 0B90078A | Antenna Terminal (1) |
|  | 0B90019A | Insu-Lock SKB80 (1) |
|  | 0M04956A | Lithium Battery Caution Label (1) |
|  | **BA06317A** | **Eq. Sub P.C.B. Ass'y** |
|  | 0B60394B | Eq. Sub P.C.B. |
| Q106,206 | 0B06299A | TR 2SC2878 |
| Q107 | 0B10050A | TR 2SA970 (BL) |
| ZD103 | 0B12321A | ZD 15V MTZ15C |
| R156,256 | 0B09677A | RK 1K 1/6W J |
| R157,257 | 0B09749A | RK 1M 1/6W J |
| R158,159 | 0B09725A | RK 100K 1/6W J |
| R160 | 0B09737A | RK 330K 1/6W J |
| CN34 | 0B81631A | 10P Connector |
|  | **BA06803A** | **Phono Input P.C.B. Ass'y** |
|  | 0B60460A | Phono Input P.C.B. |
| L101,102 201,202 | 0B51247A | Coil 20μH |
| C101,201 | 0B41508A | C 56P 50V J |
|  | 0B83054B | 4P Connector S80L (1) |
|  | 0B83055B | 4P Connector S80R (1) |
|  | 0B83052A | PD Connector V50 (1) |
|  | 0B81020A | 2P Pin Jack (1) |

## 5.14. Eq. Sub P.C.B. Ass'y

Note: This P.C.B. Ass'y is included in the Eq. Amp. section of the Main P.C.B. Ass'y.

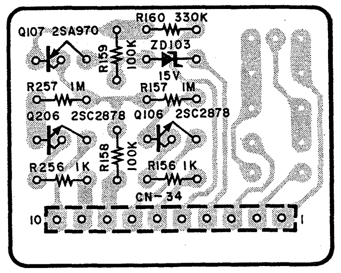


Fig. 5.14

## 5.15. Phono Input P.C.B. Ass'y

Note: This P.C.B. Ass'y is included in the Eq. Amp. section of the Main P.C.B. Ass'y.

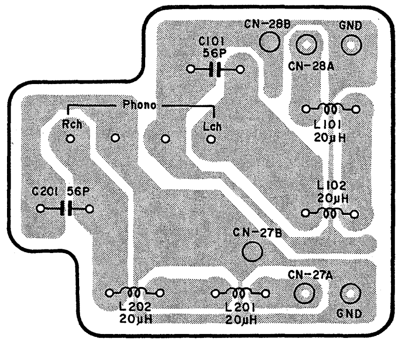


Fig. 5.15

# 6. SCHEMATIC DIAGRAMS

## 6.1. IC Block Diagrams

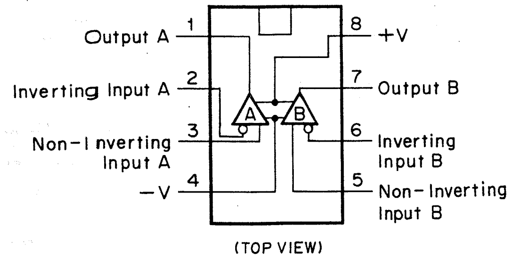

Output A
Inverting Input A
Non-Inverting Input A
−V
+V
Output B
Inverting Input B
Non-Inverting Input B
1
2
3
4
5
6
7
8
A
B
(TOP VIEW)

Fig. 6.1.1 Operational Amp. IC 4558DD, 072DE

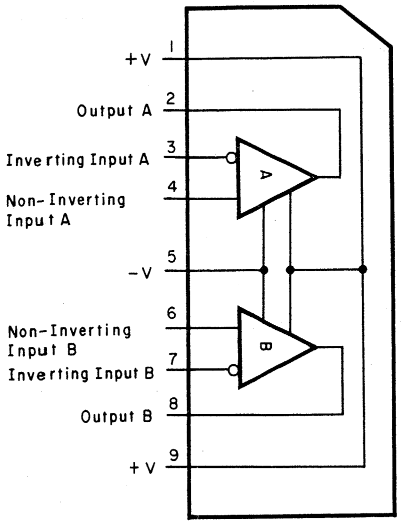

+V
Output A
Inverting Input A
Non-Inverting Input A
−V
Non-Inverting Input B
Inverting Input B
Output B
+V
1
2
3
4
5
6
7
8
9
A
B

Fig. 6.1.2 Operational Amp. IC 072S

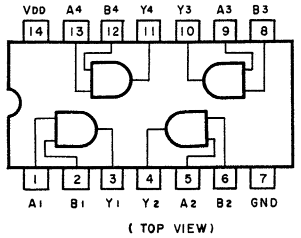

VDD
A4
B4
Y4
Y3
A3
B3
14
13
12
11
10
9
8
1
2
3
4
5
6
7
A1
B1
Y1
Y2
A2
B2
GND
(TOP VIEW)

Fig. 6.1.3 AND Gate C-MOS IC μPD4081BC

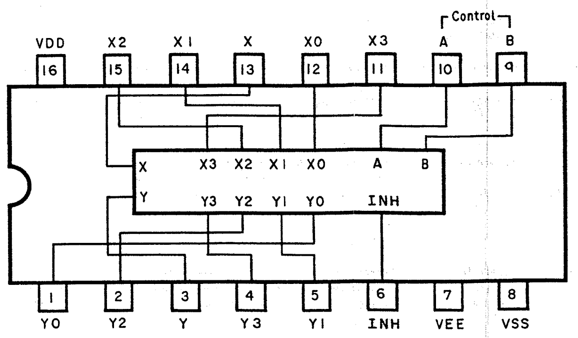

Control
VDD
X2
X1
X
X0
X3
A
B
16
15
14
13
12
11
10
9
X
X3 X2 X1 X0
A B
Y
Y3 Y2 Y1 Y0
INH
1
2
3
4
5
6
7
8
Y0
Y2
Y
Y3
Y1
INH
VEE
VSS

Fig. 6.1.4 Analog Multiplexers/Demultiplexers IC μPD4052BC

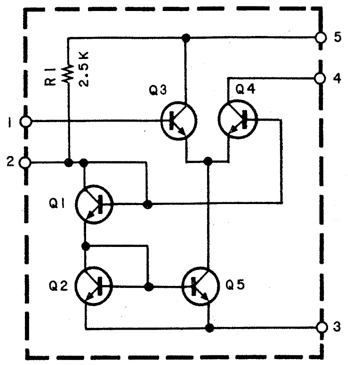

R1
2.5K
Q3
Q4
Q1
Q2
Q5
1
2
3
4
5

Fig. 6.1.5 FM IF Amp. IC TA7060AP

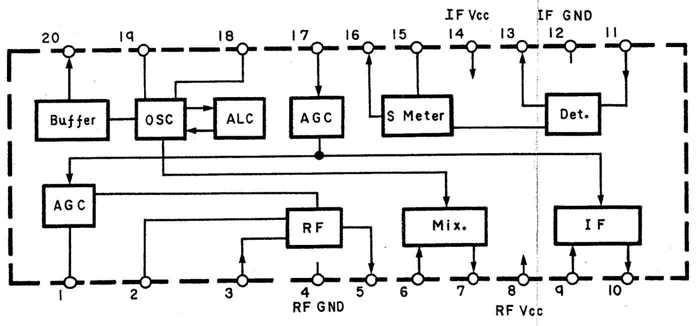

IF Vcc
IF GND
20
19
18
17
16
15
14
13
12
11
Buffer
OSC
ALC
AGC
S Meter
Det.
AGC
RF
Mix.
IF
1
2
3
4
RF GND
5
6
7
8
RF Vcc
9
10

Fig. 6.1.6 AM Tuner IC LA1247

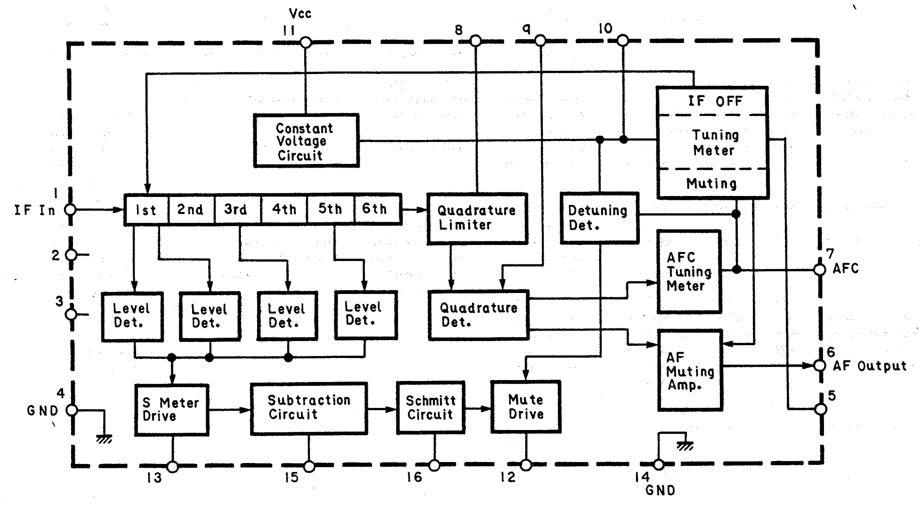

Vcc
11
8
9
10
IF OFF
Tuning Meter
Muting
Constant Voltage Circuit
IF In
1
1st
2nd
3rd
4th
5th
6th
Quadrature Limiter
Detuning Det.
2
3
AFC Tuning Meter
7
AFC
Level Det.
Level Det.
Level Det.
Level Det.
Quadrature Det.
AF Muting Amp.
6
AF Output
5
GND
4
S Meter Drive
Subtraction Circuit
Schmitt Circuit
Mute Drive
13
15
16
12
14
GND

Fig. 6.1.7 FM IF System IC LA1235

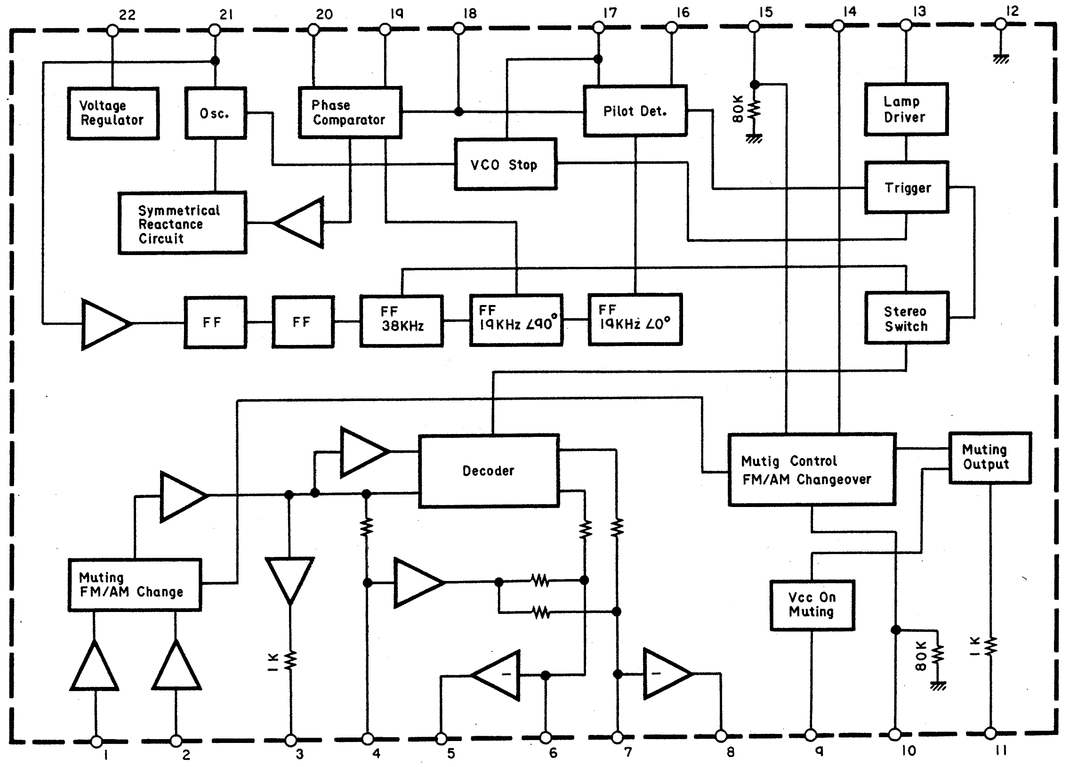

22
21
20
19
18
17
16
15
14
13
12
Voltage Regulator
Osc.
Phase Comparator
Pilot Det.
80K
Lamp Driver
VCO Stop
Trigger
Symmetrical Reactance Circuit
FF
FF
FF 38KHz
FF 19KHz ∠90°
FF 19KHz ∠0°
Stereo Switch
Decoder
Mutig Control FM/AM Changeover
Muting Output
Muting FM/AM Change
1K
Vcc On Muting
80K
1K
1
2
3
4
5
6
7
8
9
10
11

Fig. 6.1.8 FM Stereo Demodulator IC LA3400N

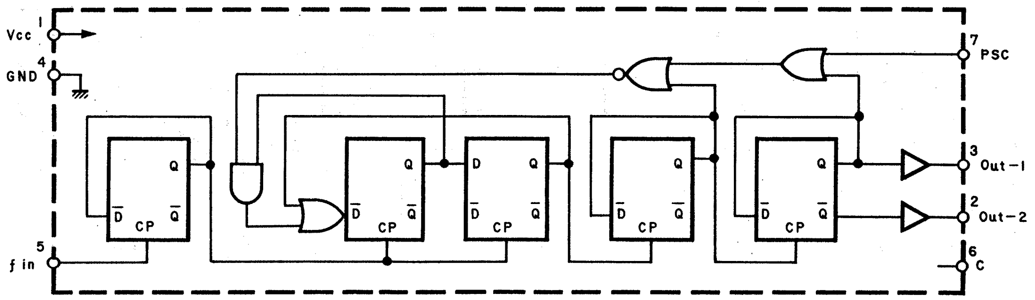

1
Vcc
4
GND
5
f in
D
CP
Q
$\overline{D}$
$\overline{Q}$
7
PSC
3
Out-1
2
Out-2
6
C

Fig. 6.1.9 ECL Prescaler (FM) IC TD6104

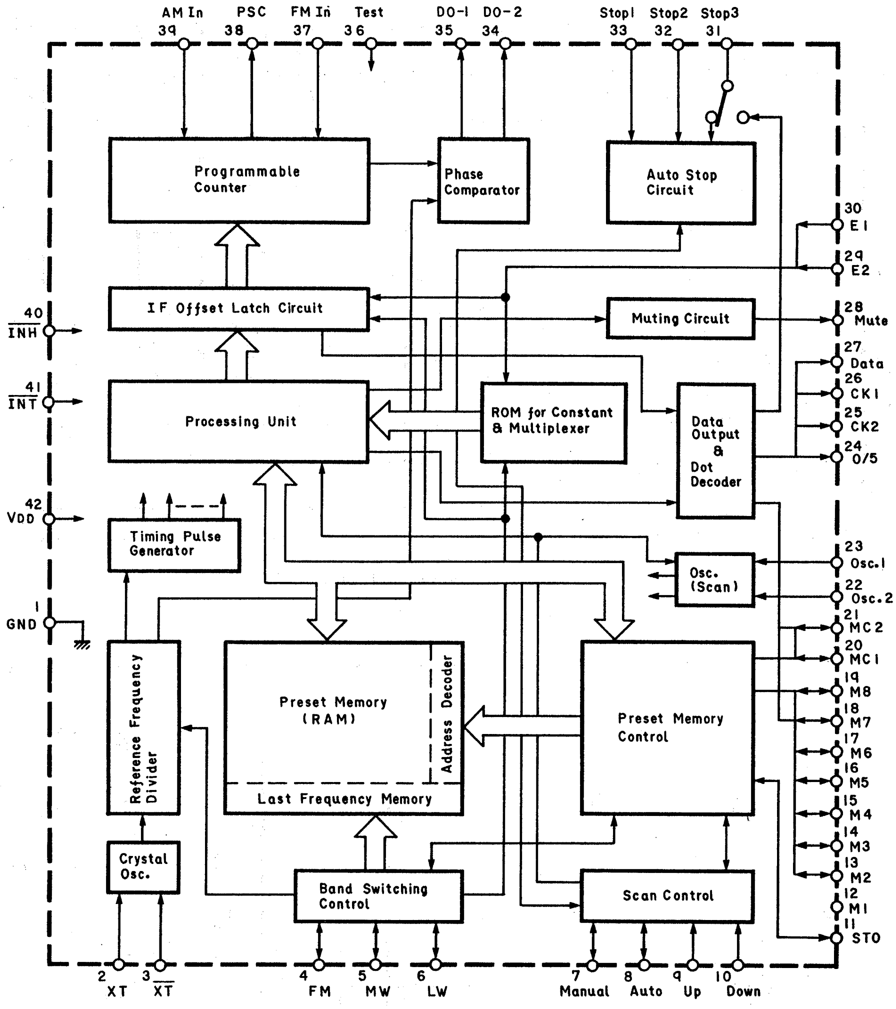

AM In
39
PSC
38
FM In
37
Test
36
DO-1
35
DO-2
34
Stop1
33
Stop2
32
Stop3
31
Programmable Counter
Phase Comparator
Auto Stop Circuit
30
E1
29
E2
IF Offset Latch Circuit
Muting Circuit
28
Mute
40
$\overline{INH}$
41
$\overline{INT}$
Processing Unit
ROM for Constant & Multiplexer
Data Output & Dot Decoder
27
Data
26
CK1
25
CK2
24
0/5
42
VDD
Timing Pulse Generator
23
Osc.1
Osc. (Scan)
22
Osc.2
1
GND
21
MC2
20
MC1
19
M8
18
M7
17
M6
16
M5
15
M4
14
M3
13
M2
12
M1
11
STO
Reference Frequency Divider
Preset Memory (RAM)
Address Decoder
Last Frequency Memory
Preset Memory Control
Crystal Osc.
Band Switching Control
Scan Control
2
XT
3
$\overline{XT}$
4
FM
5
MW
6
LW
7
Manual
8
Auto
9
Up
10
Down

Fig. 6.1.10 FM/MW/LW 3-Band Digital Tuning (Static Method) IC TC9147BP

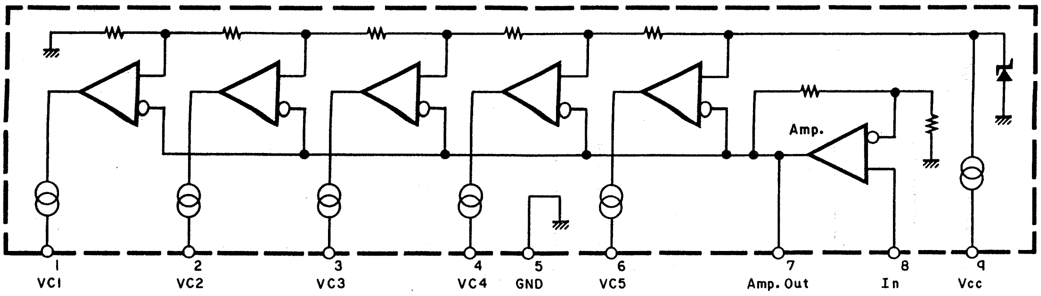

Amp.
1
VC1
2
VC2
3
VC3
4
VC4
5
GND
6
VC5
7
Amp. Out
8
In
9
Vcc

Fig. 6.1.11 Signal Meter Driver IC LB1413N

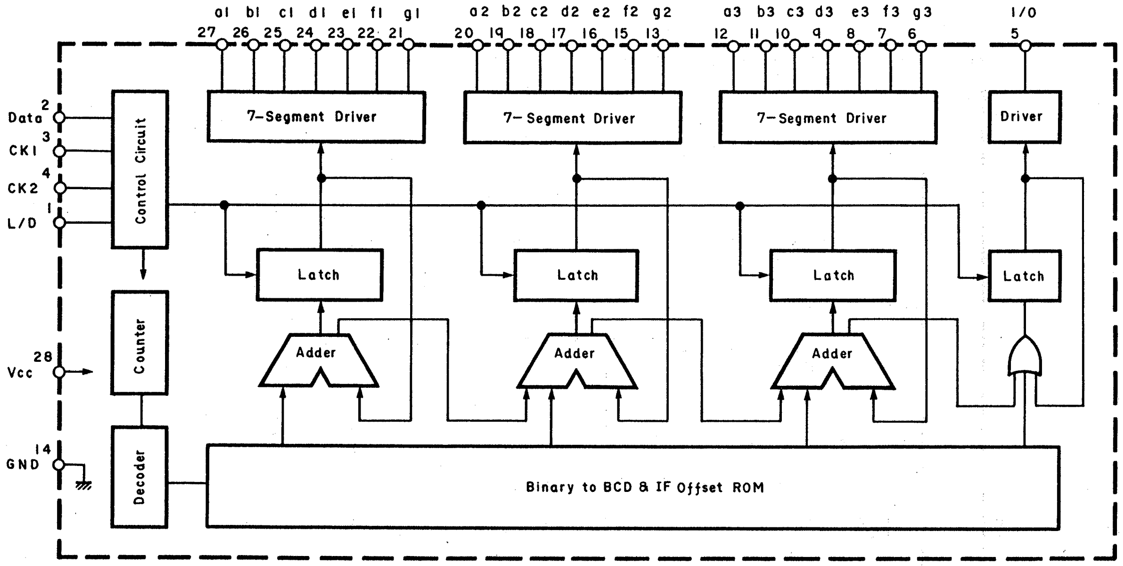

a1 b1 c1 d1 e1 f1 g1
27 26 25 24 23 22 21
a2 b2 c2 d2 e2 f2 g2
20 19 18 17 16 15 13
a3 b3 c3 d3 e3 f3 g3
12 11 10 9 8 7 6
I/O
5
7-Segment Driver
7- Segment Driver
7-Segment Driver
Driver
2
Data
3
CK1
4
CK2
1
L/D
Control Circuit
Counter
28
Vcc
14
GND
Decoder
Latch
Latch
Latch
Latch
Adder
Adder
Adder
Binary to BCD & IF Offset ROM

Fig. 6.1.12 Indicator Driver IC TD6301A

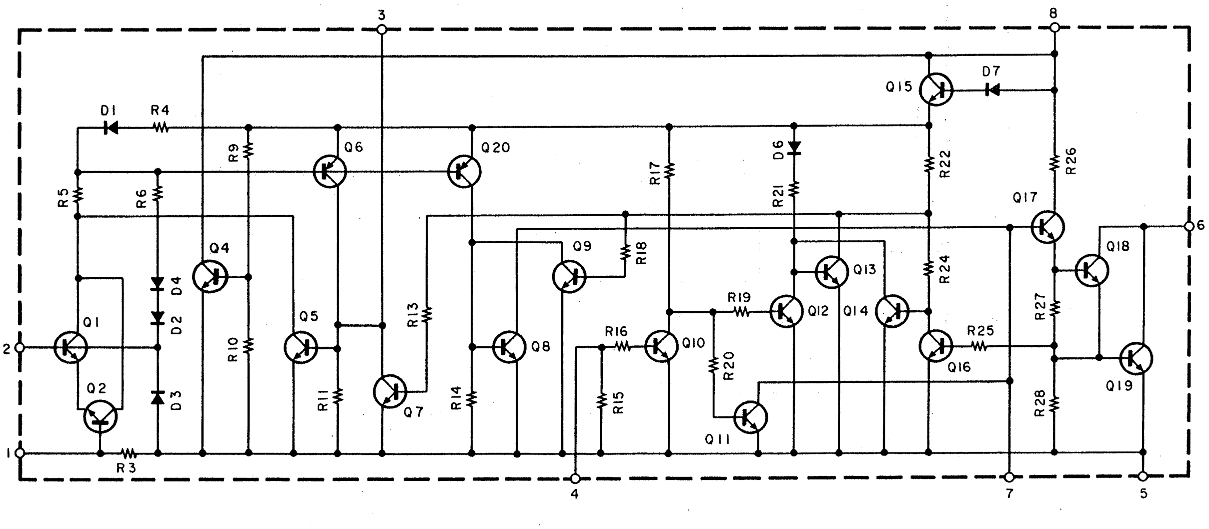

3
8
D7
Q15
D1
R4
R9
Q6
Q20
R17
D6
R22
R26
R5
R6
R21
Q17
6
Q4
D4
Q9
R18
Q13
R24
Q18
Q1
D2
Q5
R13
R19
Q12
Q14
R27
2
R10
R16
Q10
R25
Q16
Q8
R20
Q2
D3
R11
Q7
R14
R15
Q11
R28
Q19
1
R3
4
7
5

Fig. 6.1.13 Power Amp./Speaker Protector IC μPC1237H

### 6.2. Schematic Diagrams

### 6.2.1. Tuner and Power Supply Section

### (1) For SR-3 (Canada) & SR-3A

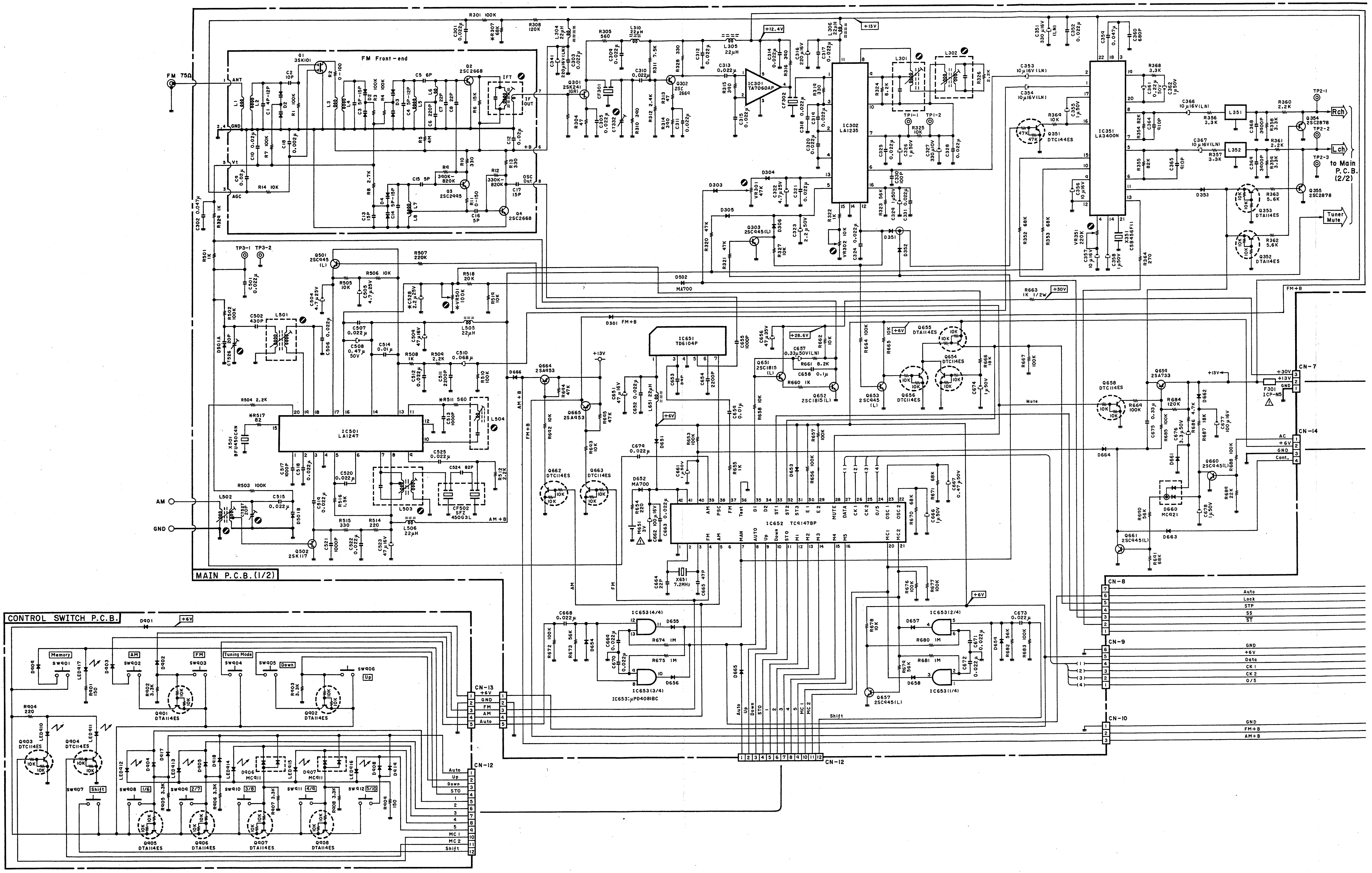
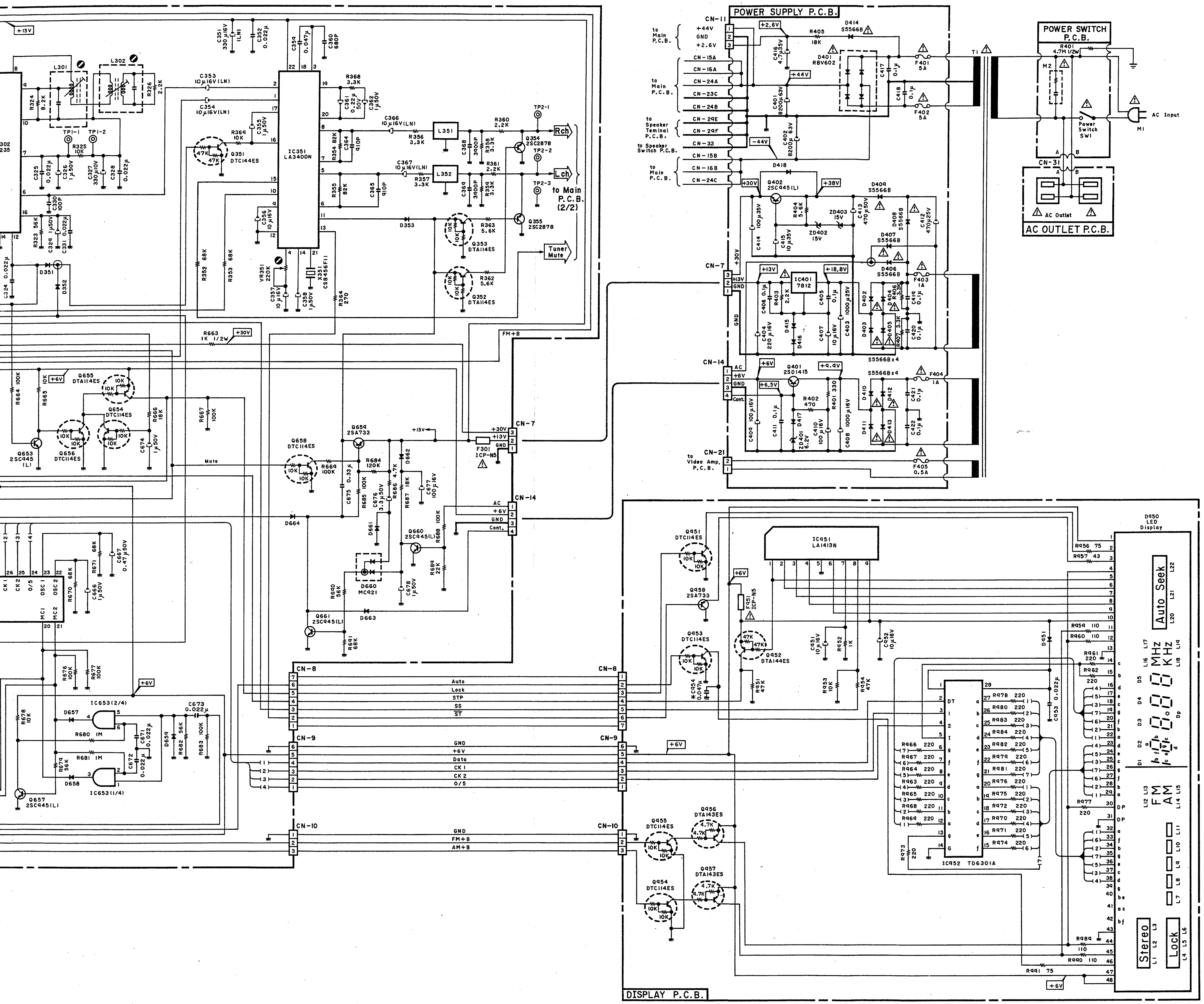

FM 75Ω
FM Front-end
Q1 3SK101
Q2 2SC2668
Q3 2SC2945
Q4 2SC2668
IFT
IF OUT
OSC Out
ANT
GND
AGC
Q301 2SK241 (GR)
Q302 2SC2669
IC301 TA7060AP
IC302 LA1235
L301
L302
TP1-1
TP1-2
IC351 LA3400N
X351 CSB456F11
Q351 DTC144ES
Q352 DTA114ES
Q353 DTA114ES
Q354 2SC2878
Q355 2SC2878
L351
L352
TP2-1
TP2-2
TP2-3
Rch
Lch
to Main P.C.B. (2/2)
Tuner Mute
+12.4V
+13V
TP3-1
TP3-2
Q501 2SC945 (L)
Q502 2SK117
IC501 LA1247
X501 BFU450C4N
CF502 SFZ 450G3L
L501
L502
L503
L504
AM
GND
AM+B
FM+B
IC651 TD6104P
IC652 TC9147BP
X651 7.2MHz
Q651 2SC1815 (L)
Q652 2SC1815 (L)
Q653 2SC945 (L)
Q654 DTC114ES
Q655 DTA114ES
Q656 DTC114ES
Q657 2SC945 (L)
Q658 DTC114ES
Q659 2SA733
Q660 2SC945 (L)
Q661 2SC945 (L)
Q662 DTC114ES
Q663 DTC114ES
Q664 2SA953
Q665 2SA953
IC653: μPD4081BC
F301 ICP-N5
MAIN P.C.B. (1/2)
CN-7
CN-8
CN-9
CN-10
CN-12
CN-13
CN-14
+30V
+13V
+6V
+28.6V
Mute
AC
Cont.
Auto
Lock
STP
SS
ST
Data
CK1
CK2
O/S
CONTROL SWITCH P.C.B.
Memory
FM
Tuning Mode
Down
Up
Shift
SW401
SW402
SW403
SW404
SW405
SW406
SW407
SW408
SW409
SW410
SW411
SW412
1/6
2/7
3/8
4/9
5/10
Q401 DTA114ES
Q402 DTA114ES
Q403 DTC114ES
Q404 DTC114ES
Q405 DTA114ES
Q406 DTA114ES
Q407 DTA114ES
Q408 DTA114ES
D406 MC911
D407 MC911
Auto
Up
Down
STO
MC1
MC2
Shift

Fig. 6.2.1.1 For SR-3 (Canada) & SR-3A


POWER SUPPLY P.C.B.
POWER SWITCH P.C.B.
AC OUTLET P.C.B.
DISPLAY P.C.B.
IC351 LA3400N
IC401 7812
IC451 LA1413N
IC452 TD6301A
IC653
D950 LED Display
CN-7
CN-8
CN-9
CN-10
CN-11
CN-14
CN-21
CN-31
to Main P.C.B. (2/2)
to Speaker Terminal P.C.B.
to Speaker Switch P.C.B.
to Video Amp. P.C.B.
Rch
Lch
Tuner Mute
AC Input
AC Outlet
Power Switch SW1
T1
F401 5A
F402 5A
F403 1A
F404 1A
F405 0.5A
Auto
Lock
STP
SS
ST
GND
+6V
Data
CK 1
CK 2
O/S
FM+B
AM+B
Mute
Auto Seek
MHz
KHz
FM
AM
Stereo
Lock

. 6.2.1.1 For SR-3 (Canada) & SR-3A

## WARNING:

Parts marked with the symbol ⚠ have critical characteristics.

Use ONLY replacement parts recommended by the manufacturer.

It is recommended that the unit be operated from a suitable DC supply or batteries during initial check-out procedures.

## CAUTION:

Before returning the unit to the customer, make sure you make either (1) a leakage current check or (2) a line to chassis resistance check. If the leakage current exceeds 0.5 milliamp, or if the resistance from chassis to either side of the power cord is less than 240 k ohms, the unit is defective.

WARNING — DO NOT return the unit to the customer until the problem is located and corrected.

For Lithium Battery:

Use ONLY replacement parts recommended by the manufacturer.

Replacement must be done only by qualified service personnel because of risk for explosion.

Notes:
1. Diode is 1SS53, 1S1555, or 1SS176 unless otherwise specified.
2. Resistor and capacitor marked with * show typical value.
3. 2SA733, 2SA608SP, 2SA1048 and 2SA1175 are interchangeable with each other.
4. 2SC945, 2SC536SP, 2SC2458 and 2SC2785 are interchangeable with each other.

**(2) For SR-3 (Australia & Other)**

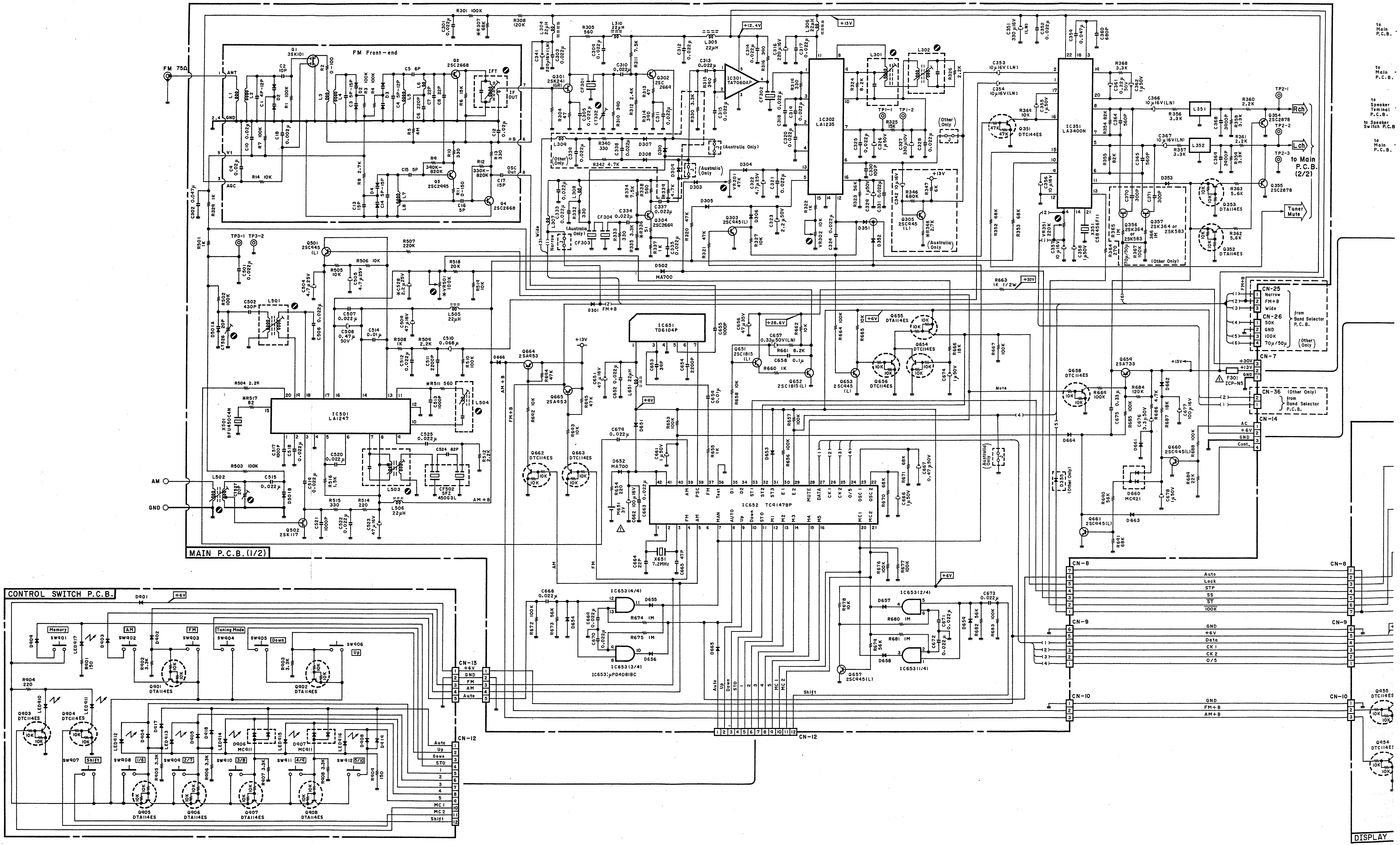
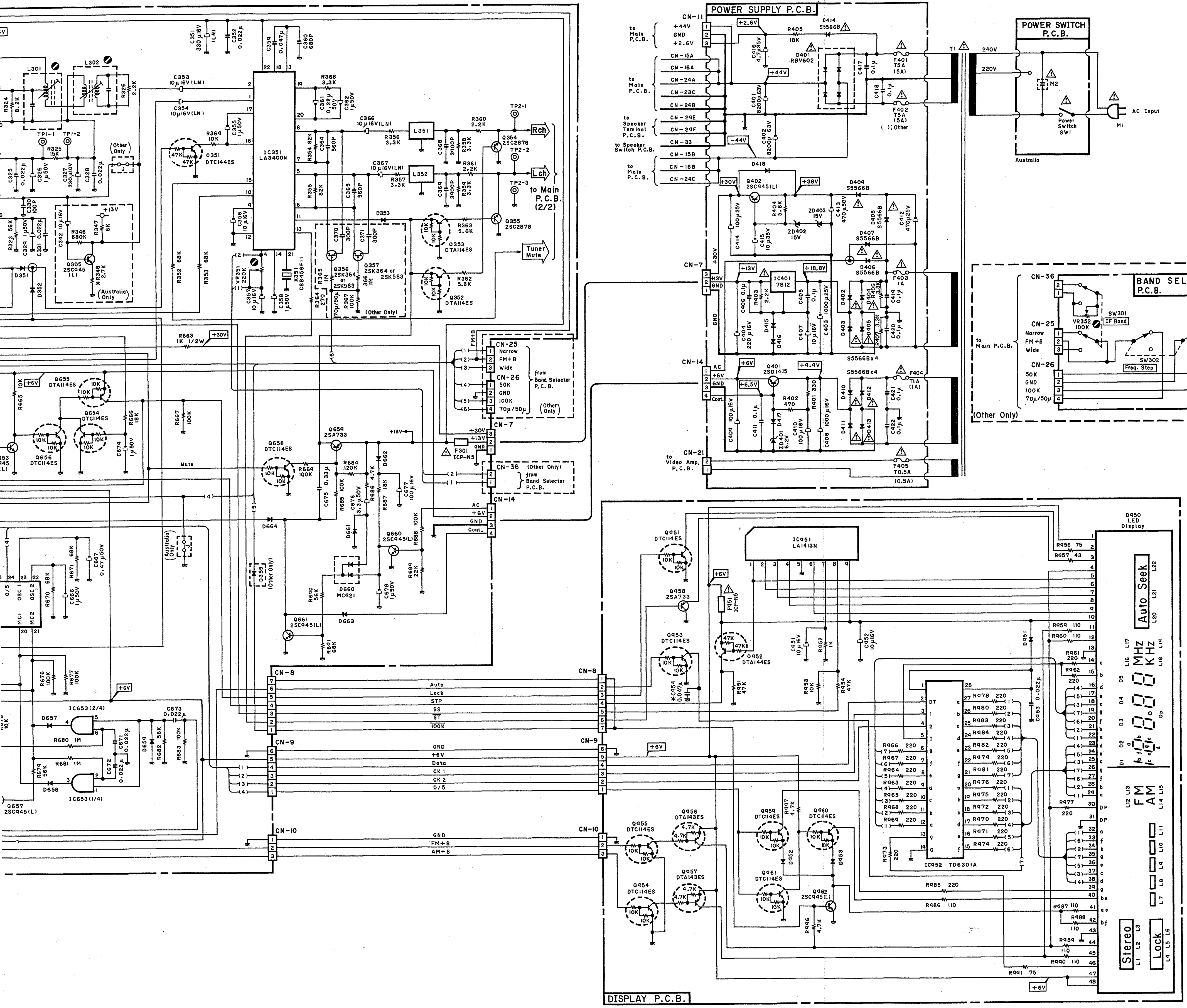
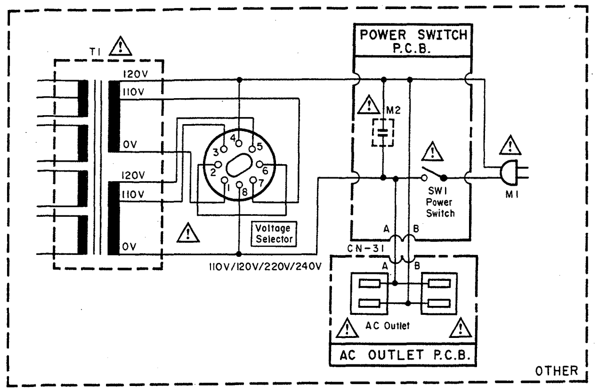

FM 75Ω
ANT
GND
AGC
Vt
FM Front-end
Q1 3SK101
Q2 2SC2668
Q3 2SC2445
Q4 2SC2668
IFT
IF OUT
OSC Out
+B
Q301 2SK241 (GR)
CF301
Q302 2SC2669
IC301 TA7060AP
CF302
IC302 LA1235
L301
L302
TP1-1
TP1-2
(Other Only)
(Australia Only)
Q303 2SC945(L)
Q304 2SC2669
Q305 2SC945 (L)
VR301 47K
VR302 10K
D351
D352
+12.4V
+13V
IC351 LA3400N
Q351 DTC144ES
X351 CSB456F11
VR351 220K
L351
L352
Q352 DTA114ES
Q353 DTA114ES
Q354 2SC2878
Q355 2SC2878
Q356 2SK364 or 2SK583
Q357 2SK364 or 2SK583
(Other Only)
TP2-1
TP2-2
TP2-3
Rch
Lch
to Main P.C.B. (2/2)
Tuner Mute
to Main P.C.B.
to Speaker Terminal P.C.B.
to Speaker Switch P.C.B.
Q501 2SC945 (L)
Q502 2SK117
TP3-1
TP3-2
IC501 LA1247
X501 BFU450C4N
L501
L502
L503
L504
L505 22μH
L506 22μH
CF502 SFZ 450G3L
AM
GND
AM+B
FM+B
D301
D502 MA700
MAIN P.C.B. (1/2)
IC651 TD6104P
IC652 TC9147BP
X651 7.2MHz
Q651 2SC1815 (L)
Q652 2SC1815 (L)
Q653 2SC945 (L)
Q654 DTC114ES
Q655 DTA114ES
Q656 DTC114ES
Q657 2SC945 (L)
Q658 DTC114ES
Q659 2SA733
Q660 2SC945 (L)
Q661 2SC945 (L)
Q662 DTC114ES
Q663 DTC114ES
Q664 2SA953
Q665 2SA953
D652 MA700
D660 MC421
F301 ICP-N5
+26.6V
+6V
+30V
R663 1K 1/2W
Mute
IC653 (4/4)
IC653 (3/4)
IC653 (2/4)
IC653 (1/4)
IC653: μPD4081BC
CN-25
Narrow
FM+B
Wide
CN-26
50K
GND
100K
70μ/50μ
from Band Selector P.C.B.
(Other Only)
CN-7
+30V
+13V
GND
CN-36 (Other Only)
from Band Selector P.C.B.
CN-14
AC
+6V
GND
Cont.
CN-8
Auto
Lock
STP
SS
ST
100K
CN-9
GND
+6V
Data
CK 1
CK 2
O/S
CN-10
GND
FM+B
AM+B
CN-12
Auto
Up
Down
STO
MC 1
MC 2
Shift
CN-13
+6V
GND
FM
AM
Auto
CONTROL SWITCH P.C.B.
D401
Memory
SW401
SW402
SW403
SW404
SW405
SW406
SW407
SW408
SW409
SW410
SW411
SW412
Tuning Mode
Down
Up
Shift
1/6
2/7
3/8
4/9
5/10
Q401 DTA114ES
Q402 DTA114ES
Q403 DTC114ES
Q404 DTC114ES
Q405 DTA114ES
Q406 DTA114ES
Q407 DTA114ES
Q408 DTA114ES
Q406 MC911
Q407 MC911
Q455 DTC114ES
Q454 DTC114ES
DISPLAY

Fig. 6.2.1.2 For SR-3 (Australia & Other)


POWER SUPPLY P.C.B.
POWER SWITCH P.C.B.
AC Input
Australia
BAND SELECTOR P.C.B.
(Other Only)
DISPLAY P.C.B.
IC351 LA3400N
IC401 7812
IC951 LA1413N
IC952 TD6301A
D950 LED Display
Auto Seek
MHz
KHz
FM
AM
Stereo
Lock
to Main P.C.B. (2/2)
Tuner Mute
CN-8
CN-9
CN-10
CN-7
CN-14
CN-21
CN-25
CN-26
CN-36
to Video Amp. P.C.B.
SW301 IF Band
SW302 Freq. Step
VR352 100K
F301 ICP-N5
T1


T1
POWER SWITCH P.C.B.
120V
110V
0V
SW1 Power Switch
M1
Voltage Selector
110V/120V/220V/240V
CN-31
AC Outlet
AC OUTLET P.C.B.
OTHER

## WARNING:

Parts marked with the symbol ⚠ have critical characteristics.

Use ONLY replacement parts recommended by the manufacturer.

It is recommended that the unit be operated from a suitable DC supply or batteries during initial check-out procedures.

## CAUTION:

Before returning the unit to the customer, make sure you make either (1) a leakage current check or (2) a line to chassis resistance check. If the leakage current exceeds 0.5 milliamp, or if the resistance from chassis to either side of the power cord is less than 240 k ohms, the unit is defective.

WARNING — DO NOT return the unit to the customer until the problem is located and corrected.

For Lithium Battery:

Use ONLY replacement parts recommended by the manufacturer.

Replacement must be done only by qualified service personnel because of risk for explosion.

Notes:
1. Diode is 1SS53, 1S1555, or 1SS176 unless otherwise specified.
2. Resistor and capacitor marked with * show typical value.
3. 2SA733, 2SA608SP, 2SA1048 and 2SA1175 are interchangeable with each other.
4. 2SC945, 2SC536SP, 2SC2458 and 2SC2785 are interchangeable with each other.

**(3) For SR-3E (Europe & Germany)**

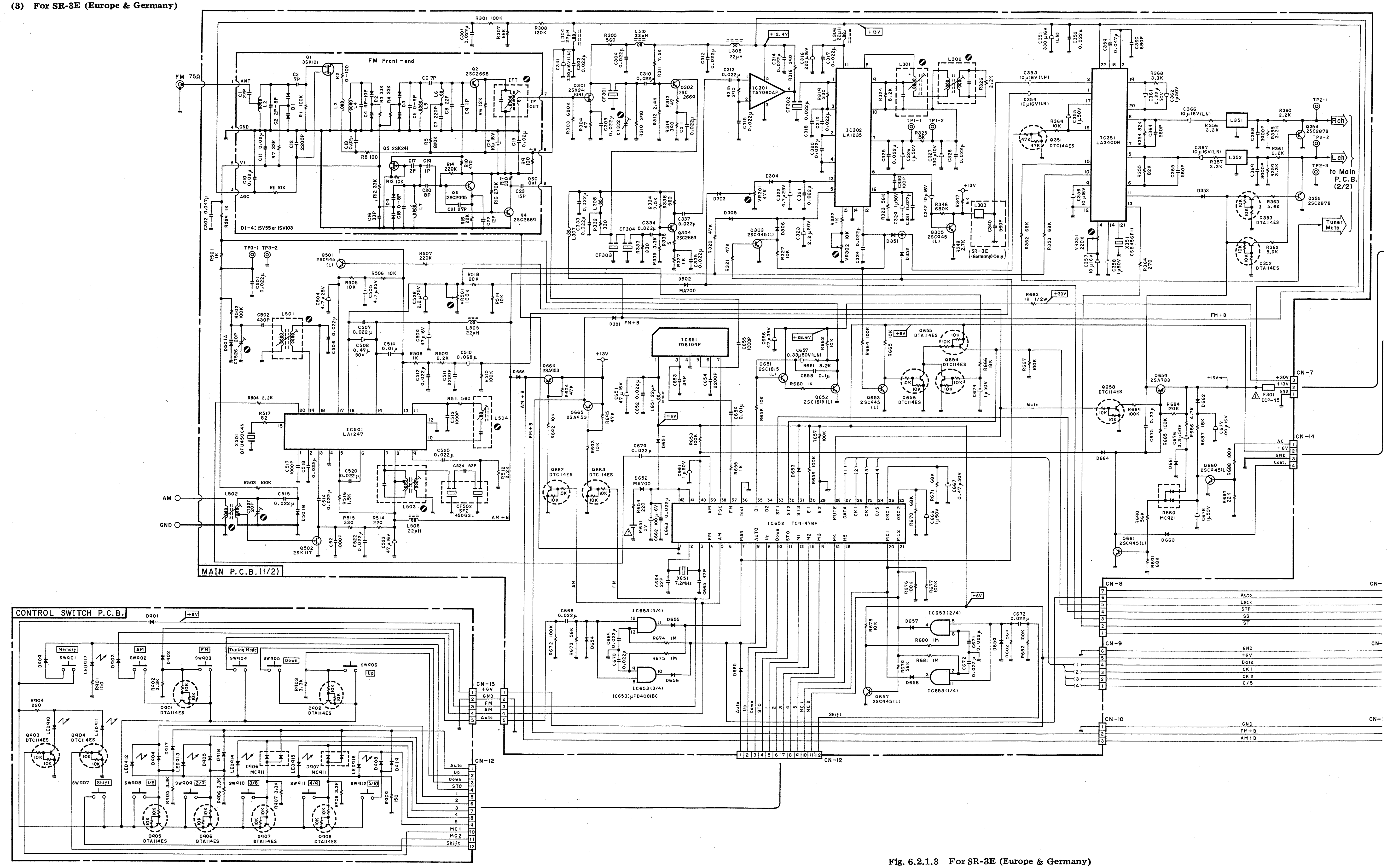

FM Front-end
FM 75Ω
ANT
GND
AGC
IFT
IF OUT
OSC Out
D1-4: 1SV55 or 1SV103
IC301 TA7060AP
IC302 LA1235
IC351 LA3400N
L301
L302
L303
SR-3E (Germany) Only
TP1-1
TP1-2
TP2-1
TP2-2
TP2-3
Rch
Lch
to Main P.C.B. (2/2)
Tuner Mute
TP3-1
TP3-2
IC501 LA1247
CF502 SFZ 450G3L
AM
GND
MAIN P.C.B. (1/2)
IC651 TD6104P
IC652 TC9147BP
X651 7.2MHz
IC653 µPD4081BC
FM+B
AM+B
Mute
F301 ICP-N5
CN-7
+30V
+13V
GND
CN-14
AC
+6V
Cont.
CN-8
Auto
Lock
STP
SS
ST
CN-9
Data
CK1
CK2
O/S
CN-10
CN-12
CONTROL SWITCH P.C.B.
CN-13
Memory
FM
Tuning Mode
Down
Up
Shift
1/6
2/7
3/8
4/9
5/10
Q901 DTA114ES
Q902 DTA114ES
Q903 DTC114ES
Q904 DTC114ES
Q905 DTA114ES
Q906 DTA114ES
Q907 DTA114ES
Q908 DTA114ES
STO
MC1
MC2

Fig. 6.2.1.3 For SR-3E (Europe & Germany)

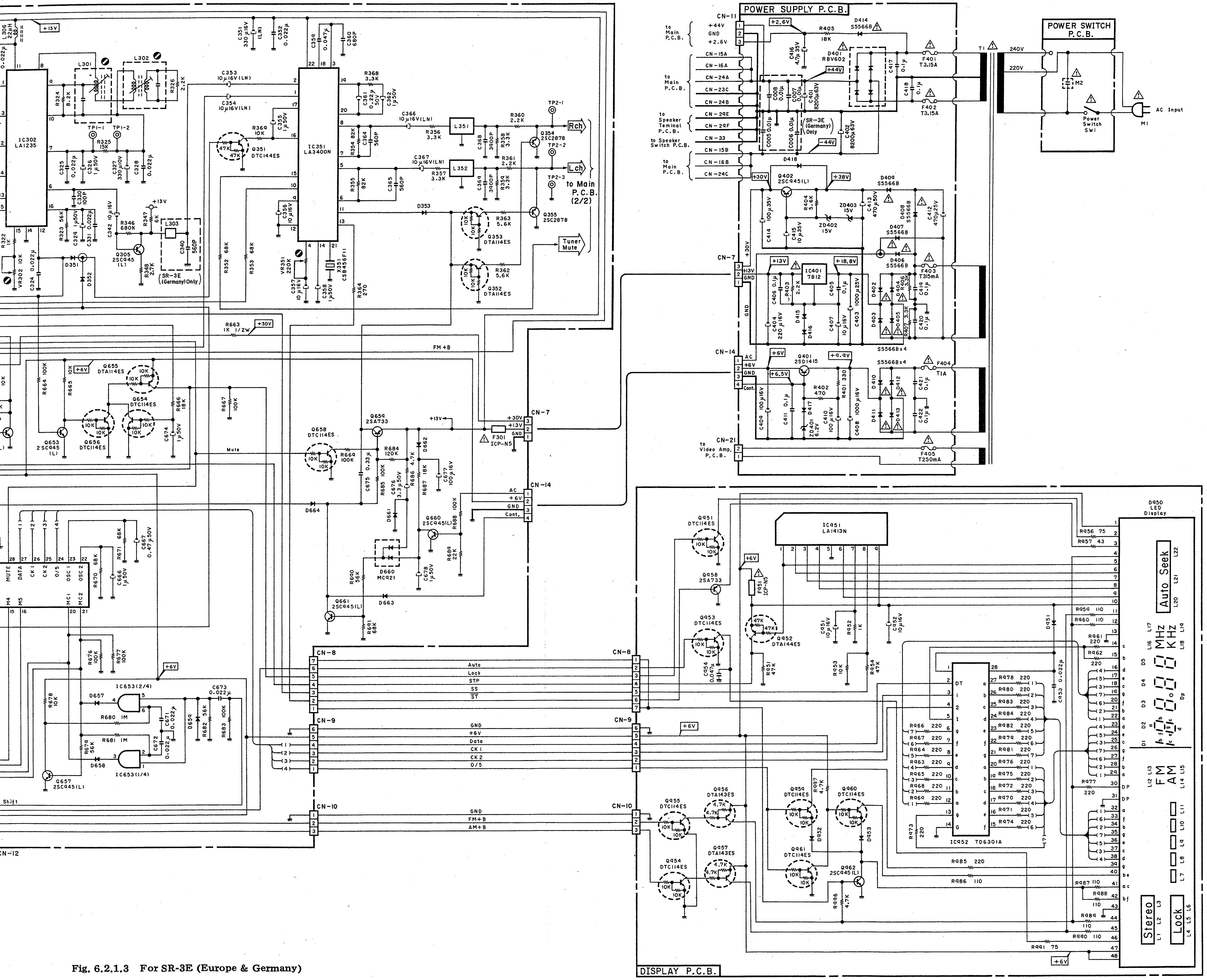

IC302 LA1235
IC351 LA3400N
L301
L302
TP1-1
TP1-2
TP2-1
TP2-2
TP2-3
L351
L352
Rch
Lch
to Main P.C.B. (2/2)
Tuner Mute
Q351 DTC144ES
Q353 DTA114ES
Q352 DTA114ES
Q354 2SC2878
Q355 2SC2878
Q305 2SC945 (L)
SR-3E (Germany) Only
FM+B
Mute
Q655 DTA114ES
Q654 DTC114ES
Q653 2SC945 (L)
Q656 DTC114ES
Q658 DTC114ES
Q659 2SA733
Q660 2SC945(L)
Q661 2SC945(L)
D660 MC921
F301 ICP-N5
CN-7
CN-14
CN-8
CN-9
CN-10
CN-12
IC653(2/4)
IC653(1/4)
Q657 2SC945(L)
Auto
Lock
STP
SS
ST
GND
+6V
Data
CK 1
CK 2
O/S
FM+B
AM+B
Shift
POWER SUPPLY P.C.B.
CN-11
to Main P.C.B.
to Speaker Terminal P.C.B.
to Speaker Switch P.C.B.
to Video Amp. P.C.B.
D401 RBV602
D414 S5566B
F401 T3.15A
F402 T3.15A
F403 T315mA
F404 T1A
F405 T250mA
T1
240V
220V
POWER SWITCH P.C.B.
Power Switch SW1
AC Input
M1
SR-3E (Germany) Only
Q402 2SC945(L)
IC401 7812
Q401 2SD1415
S5566B×4
DISPLAY P.C.B.
IC951 LA1413N
IC952 TD6301A
D950 LED Display
Q951 DTC114ES
Q958 2SA733
Q953 DTC114ES
Q952 DTA144ES
F951 ICP-N5
Q955 DTC114ES
Q956 DTA143ES
Q954 DTC114ES
Q957 DTA143ES
Q959 DTC114ES
Q960 DTC114ES
Q961 DTC114ES
Q962 2SC945(L)
Auto Seek
MHz
KHz
FM
AM
Stereo
Lock

Fig. 6.2.1.3 For SR-3E (Europe & Germany)

## WARNING:

Parts marked with the symbol ⚠ have critical characteristics.

Use ONLY replacement parts recommended by the manufacturer.

It is recommended that the unit be operated from a suitable DC supply or batteries during initial check-out procedures.

## CAUTION:

Before returning the unit to the customer, make sure you make either (1) a leakage current check or (2) a line to chassis resistance check. If the leakage current exceeds 0.5 milliamp, or if the resistance from chassis to either side of the power cord is less than 240 k ohms, the unit is defective.

WARNING — DO NOT return the unit to the customer until the problem is located and corrected.

For Lithium Battery:

Use ONLY replacement parts recommended by the manufacturer.

Replacement must be done only by qualified service personnel because of risk for explosion.

Notes:

1. Diode is 1SS53, 1S1555, or 1SS176 unless otherwise specified.
2. 2SA733, 2SA608SP, 2SA1048 and 2SA1175 are interchangeable with each other.
3. 2SC945, 2SC536SP, 2SC2458 and 2SC2785 are interchangeable with each other.

### 6.2.2. Amplifier Section

#### (1) For SR-3 & SR-3A

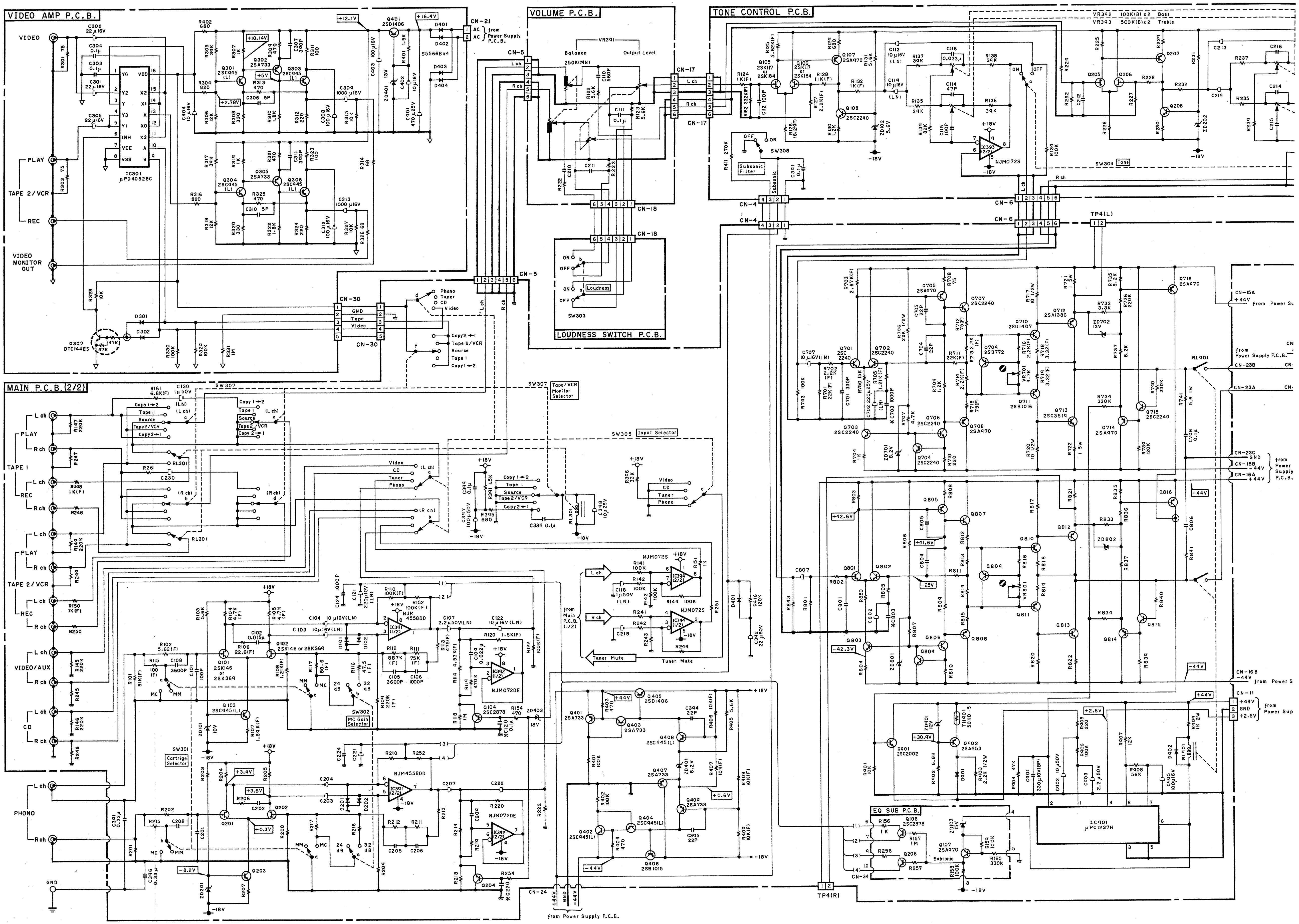
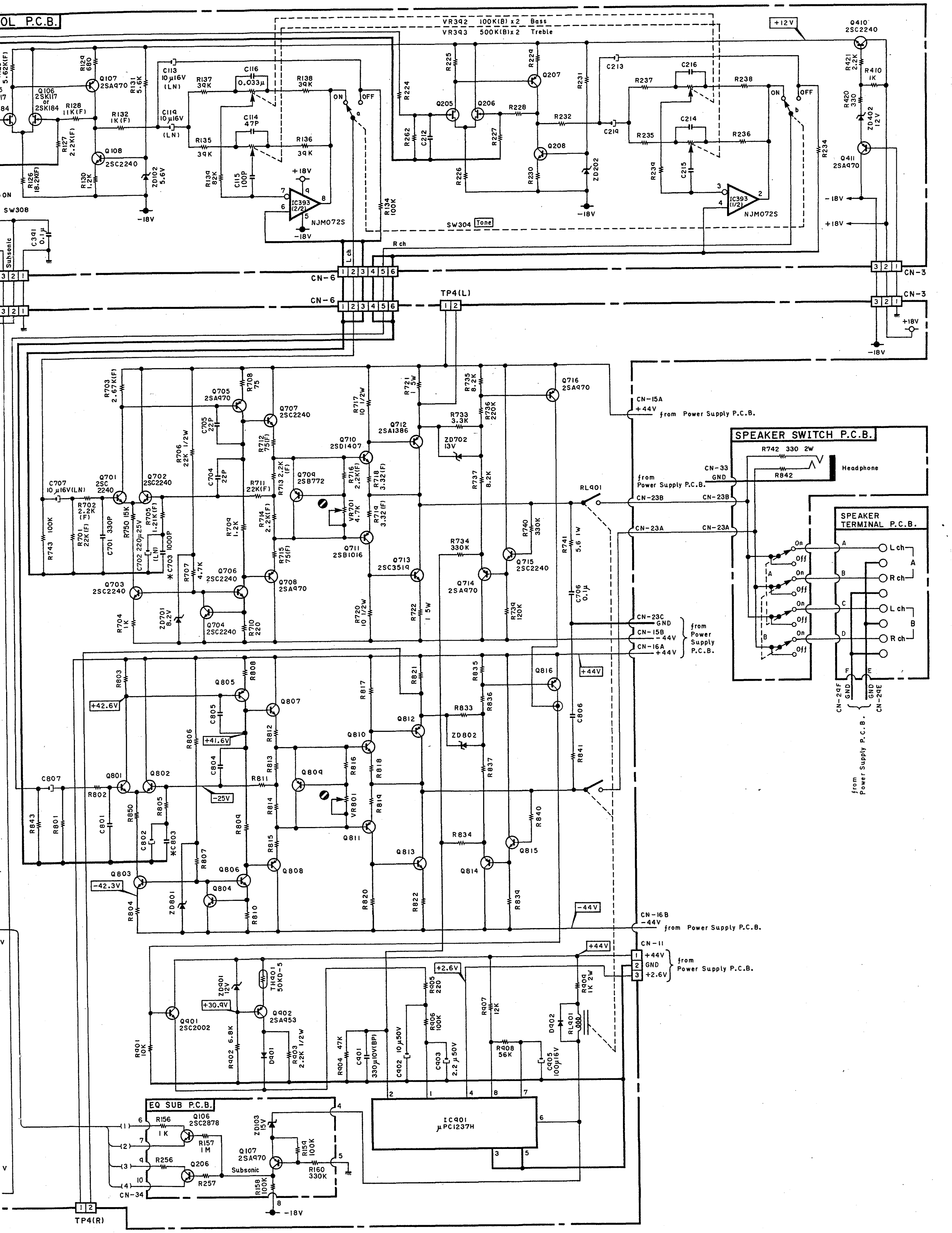

VIDEO AMP P.C.B.
VOLUME P.C.B.
TONE CONTROL P.C.B.
LOUDNESS SWITCH P.C.B.
MAIN P.C.B. (2/2)
EQ SUB P.C.B.
VIDEO
PLAY
TAPE 2/VCR
REC
VIDEO MONITOR OUT
TAPE 1
VIDEO/AUX
CD
PHONO
GND
L ch
R ch
IC301 μPD4052BC
IC901 μPC1237H
VR391 Balance 250K(MN)
Output Level
VR392 100K(B) x 2 Bass
VR393 500K(B) x 2 Treble
SW303
SW304 Tone
SW305 Input Selector
SW307 Tape/VCR Monitor Selector
SW308 Subsonic Filter
SW301 Cartridge Selector
SW302 MC Gain Selector
RL301
RL901
NJM4558DD
NJM072DE
NJM072S
Tuner Mute
from Main P.C.B. (1/2)
from Power Supply P.C.B.
CN-4
CN-5
CN-6
CN-11
CN-15A
CN-15B
CN-16A
CN-16B
CN-17
CN-18
CN-21
CN-23A
CN-23B
CN-23C
CN-24
CN-30
CN-34
TP4(L)
TP4(R)
+44V
-44V
+18V
-18V
+2.6V
Phono
Tuner
CD
Video
Copy 2 → 1
Tape 2/VCR
Source
Tape 1
Copy 1 → 2
Loudness
Subsonic

Fig. 6.2.2.1 For SR-3 & SR-3A


OL P.C.B.
VR342 100K(B)x2 Bass
VR343 500K(B)x2 Treble
SW304 Tone
SW308
Subsonic
IC393 NJM072S
+12V
+18V
-18V
CN-6
CN-3
TP4(L)
TP4(R)
Lch
Rch
CN-15A +44V from Power Supply P.C.B.
SPEAKER SWITCH P.C.B.
R742 330 2W
R842
Headphone
CN-33 GND
CN-23B
CN-23A
RL901
SPEAKER TERMINAL P.C.B.
A
B
C
D
L ch
R ch
On
Off
CN-23C GND
CN-15B -44V
CN-16A +44V
from Power Supply P.C.B.
CN-24F GND
CN-24E GND
from Power Supply P.C.B.
+42.6V
+41.6V
-25V
-42.3V
+44V
-44V
CN-16B -44V from Power Supply P.C.B.
CN-11 +44V GND +2.6V from Power Supply P.C.B.
+30.9V
+2.6V
IC901 μPC1237H
EQ SUB P.C.B.
CN-34
-18V

Notes: 1. Diode is 1SS53, 1S1555, or 1SS176 unless otherwise specified.
2. Resistor and capacitor marked with * show typical value.
3. 2SA733, 2SA608SP, 2SA1048 and 2SA1175 are interchangeable with each other.
4. 2SC945, 2SC536SP, 2SC2458 and 2SC2785 are interchangeable with each other.

## (2) For SR-3E (Europe)

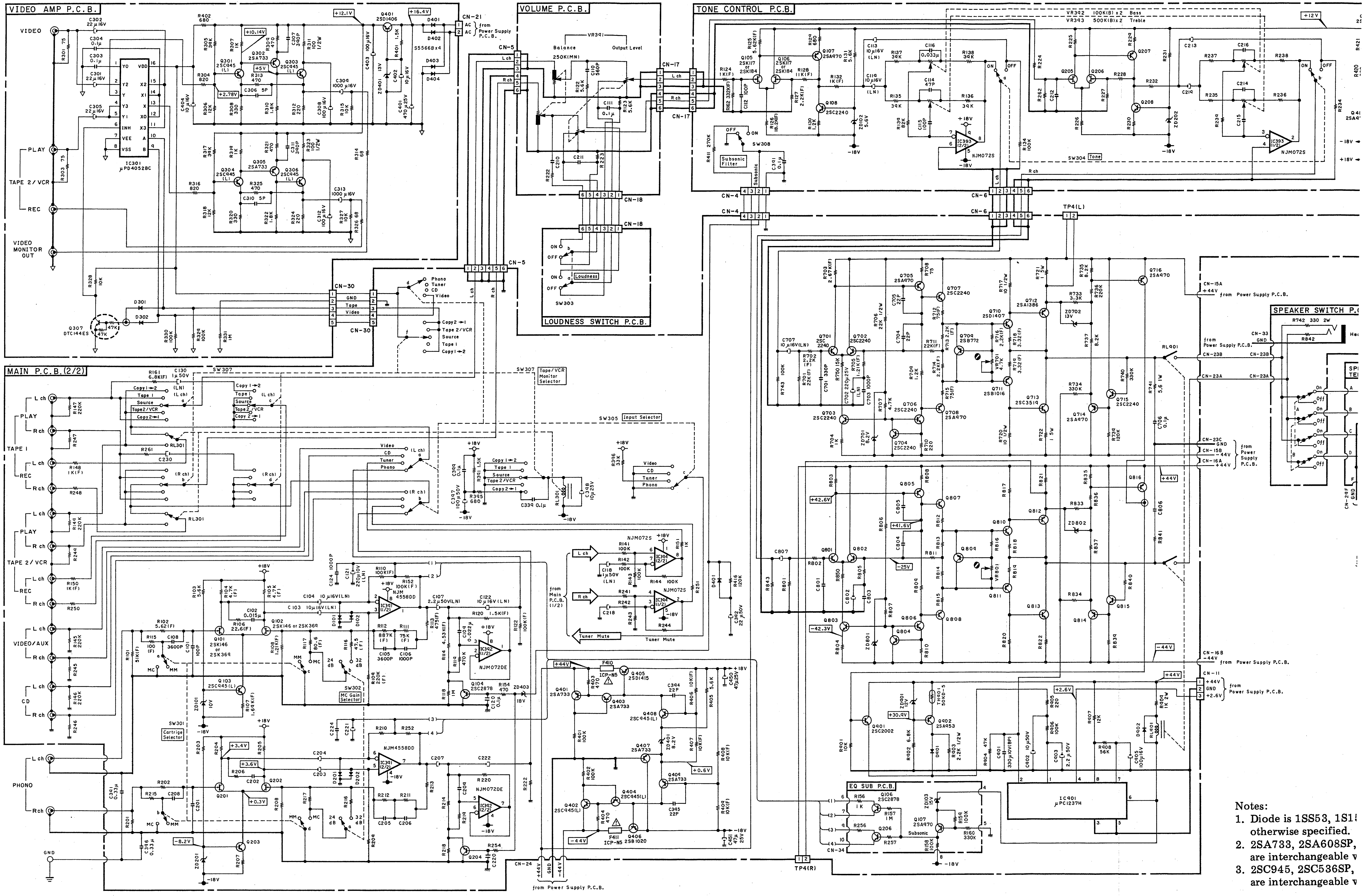

VIDEO AMP P.C.B.
VOLUME P.C.B.
TONE CONTROL P.C.B.
LOUDNESS SWITCH P.C.B.
MAIN P.C.B.(2/2)
SPEAKER SWITCH P.C
EQ SUB P.C.B.
VIDEO
PLAY
TAPE 2/VCR
REC
VIDEO MONITOR OUT
IC301 μPD4052BC
Q307 DTC144ES
CN-21 from Power Supply P.C.B.
CN-5
CN-17
CN-18
CN-30
CN-4
CN-6
TP4(L)
TP4(R)
VR342 100K(B)x2 Bass
VR343 500K(B)x2 Treble
VR341 Balance 250K(MN) Output Level
SW308 Subsonic Filter
SW304 Tone
SW303 Loudness
SW307 Tape/VCR Monitor Selector
SW305 Input Selector
SW302 MC Gain Selector
SW301 Cartrige Selector
Phono
Tuner
CD
Video
Copy2→1
Tape 2/VCR
Source
Tape 1
Copy1→2
TAPE 1
VIDEO/AUX
PHONO
GND
RL301
IC391 NJM4558DD
IC392 NJM072DE
IC393 NJM072S
IC394 NJM072S
Tuner Mute
from Main P.C.B. (1/2)
IC401 μPC1237H
RL401
RL901
from Power Supply P.C.B.
Fig. 6.2.2.2 For SR-3E (Europe)

Fig. 6.2.2.2 For SR-3E (Europe)

Notes:
1. Diode is 1SS53, 1S1
otherwise specified.
2. 2SA733, 2SA608SP,
are interchangeable
3. 2SC945, 2SC536SP,
are interchangeable

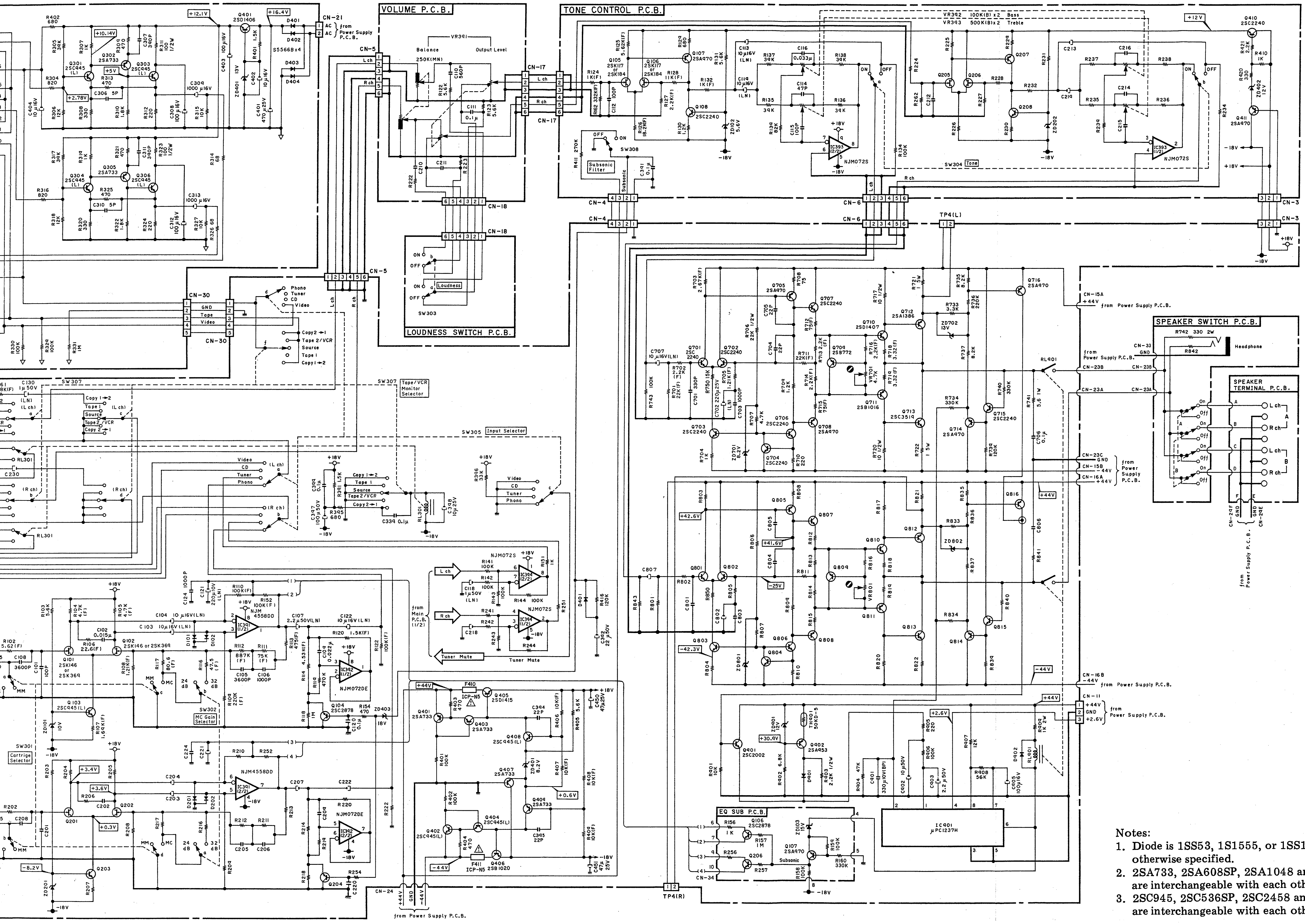

VOLUME P.C.B.
TONE CONTROL P.C.B.
LOUDNESS SWITCH P.C.B.
SPEAKER SWITCH P.C.B.
SPEAKER TERMINAL P.C.B.
EQ SUB P.C.B.
Balance
Output Level
Subsonic Filter
Tone
Loudness
Tape/VCR Monitor Selector
Input Selector
MC Gain Selector
Cartridge Selector
Tuner Mute
Headphone
from Power Supply P.C.B.
from Main P.C.B. (1/2)
IC401 μPC1237H
NJM072S
NJM072DE
NJM4558DD

Fig. 6.2.2.2 For SR-3E (Europe)

Notes:
1. Diode is 1SS53, 1S1555, or 1SS176 unless otherwise specified.
2. 2SA733, 2SA608SP, 2SA1048 and 2SA1175 are interchangeable with each other.
3. 2SC945, 2SC536SP, 2SC2458 and 2SC2785 are interchangeable with each other.

### (3) For SR-3E (Germany)

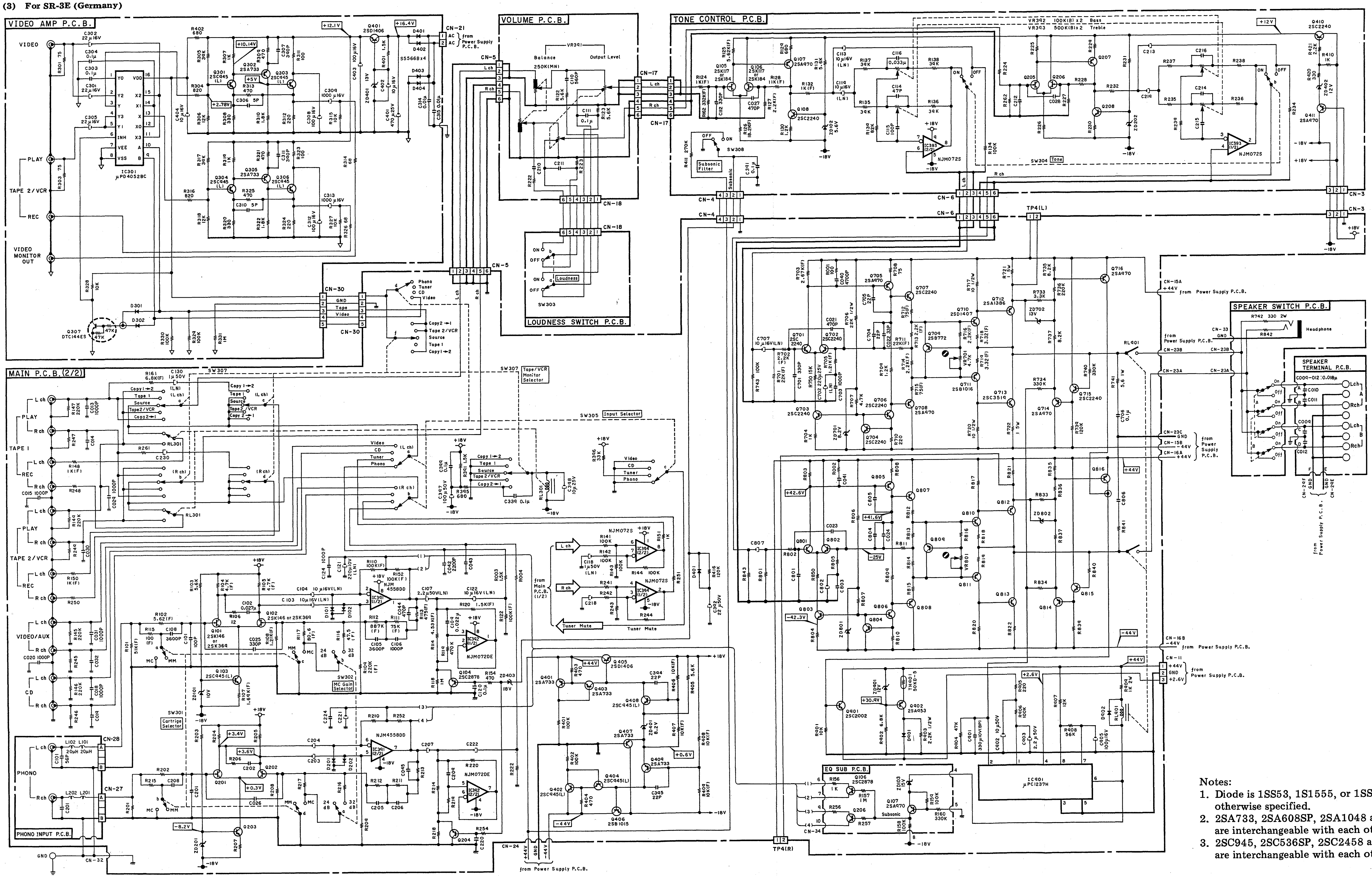

VIDEO AMP P.C.B.
VOLUME P.C.B.
TONE CONTROL P.C.B.
LOUDNESS SWITCH P.C.B.
MAIN P.C.B. (2/2)
SPEAKER SWITCH P.C.B.
SPEAKER TERMINAL P.C.B.
PHONO INPUT P.C.B.
EQ SUB P.C.B.
VIDEO
PLAY
TAPE 2/VCR
REC
VIDEO MONITOR OUT
TAPE 1
VIDEO/AUX
CD
PHONO
GND
Headphone
IC301 μPD4052BC
IC401 μPC1237H
from Power Supply P.C.B.
CN-3
CN-4
CN-5
CN-6
CN-17
CN-18
CN-21
CN-24
CN-27
CN-28
CN-30
CN-32
CN-34
TP4(L)
TP4(R)
SW301 Cartridge Selector
SW302 MC Gain Selector
SW303
SW304 Tone
SW305 Input Selector
SW307 Tape/VCR Monitor Selector
SW308 Subsonic Filter
VR341 Balance Output Level
VR342 100K(B)x2 Bass
VR343 500K(B)x2 Treble
Tuner Mute

Fig. 6.2.2.3 For SR-3E (Germany)

Notes:

1. Diode is 1SS53, 1S1555, or 1SS1 otherwise specified.
2. 2SA733, 2SA608SP, 2SA1048 an are interchangeable with each othe
3. 2SC945, 2SC536SP, 2SC2458 and are interchangeable with each othe

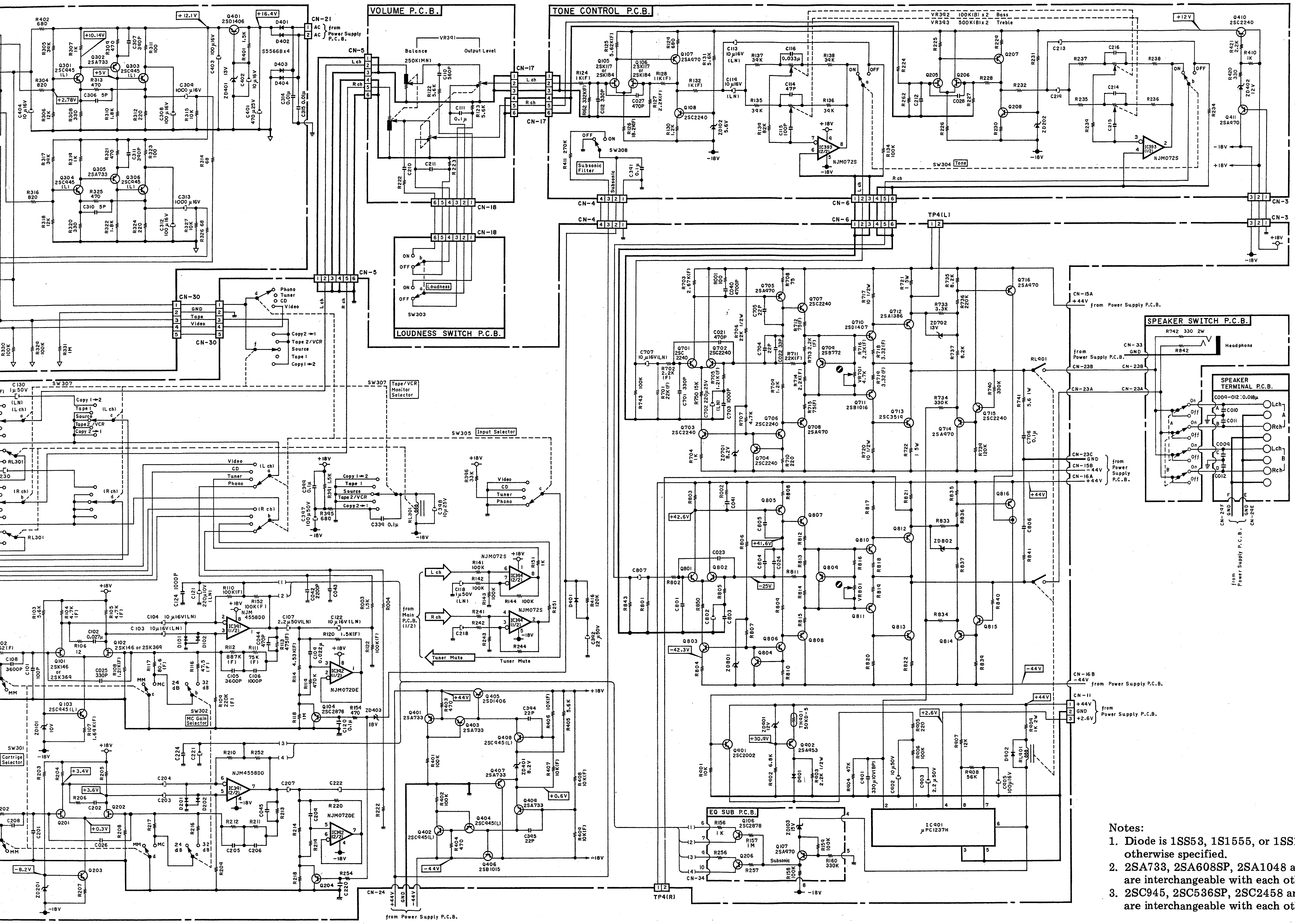

VOLUME P.C.B.
TONE CONTROL P.C.B.
LOUDNESS SWITCH P.C.B.
SPEAKER SWITCH P.C.B.
SPEAKER TERMINAL P.C.B.
EQ SUB P.C.B.
VR391 Balance 250K(MN) Output Level
VR392 100K(B) x 2 Bass
VR393 500K(B) x 2 Treble
SW303
SW304 Tone
SW305 Input Selector
SW307 Tape/VCR Monitor Selector
SW308 Subsonic Filter
SW302 MC Gain Selector
SW301 Cartrige Selector
RL301
RL401
IC401 μPC1237H
Tuner Mute
from Main P.C.B. (1/21)
from Power Supply P.C.B.
Headphone
TP4(L)
TP4(R)
CN-3
CN-4
CN-5
CN-6
CN-11
CN-15A
CN-16A
CN-16B
CN-17
CN-18
CN-21
CN-23A
CN-23B
CN-23C
CN-24
CN-30
CN-33
CN-34

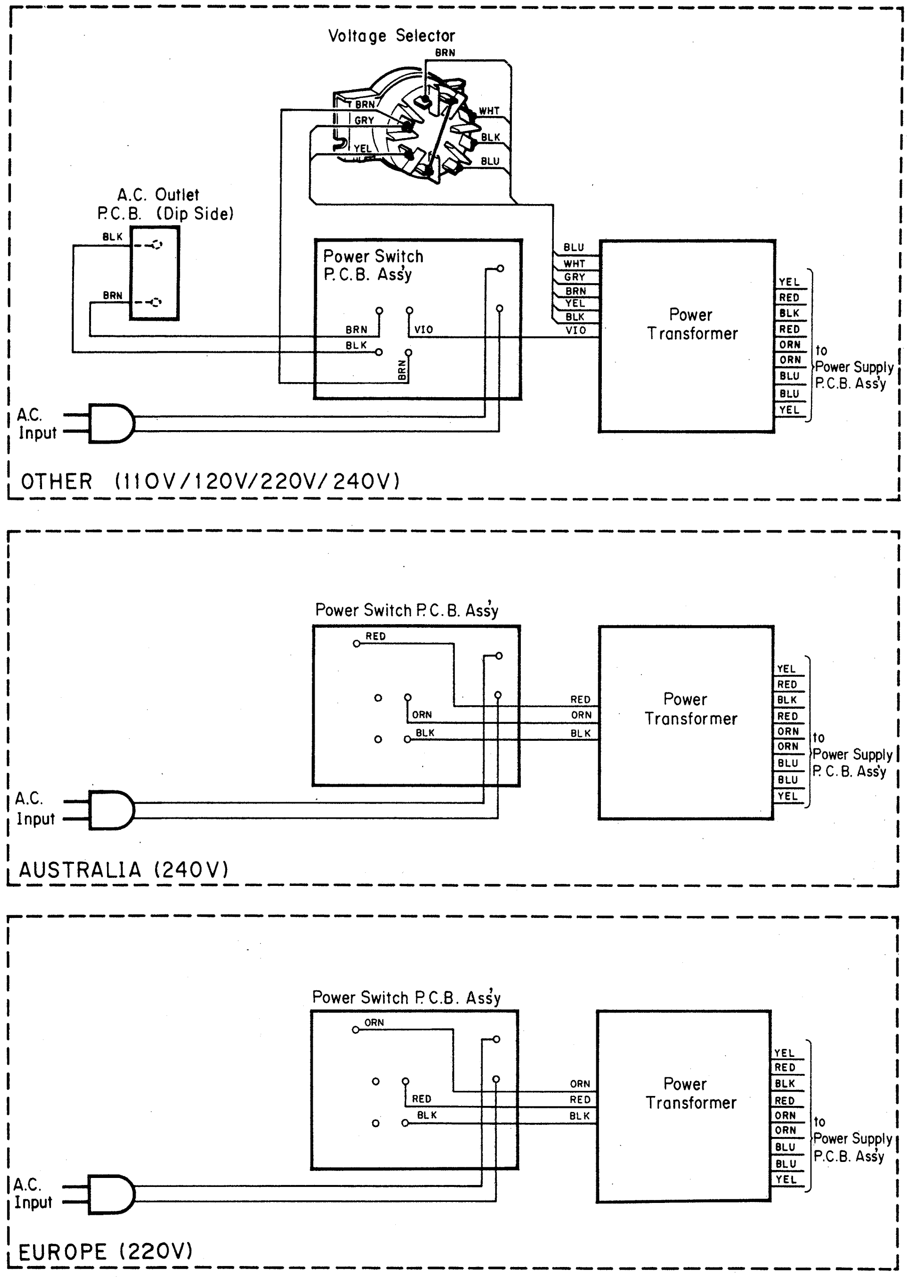
Fig. 6.2.2.3 For SR-3E (Germany)

Notes:

1. Diode is 1SS53, 1S1555, or 1SS176 unless otherwise specified.
2. 2SA733, 2SA608SP, 2SA1048 and 2SA1175 are interchangeable with each other.
3. 2SC945, 2SC536SP, 2SC2458 and 2SC2785 are interchangeable with each other.

## 7. WIRING DIAGRAMS

### (1) For SR-3, SR-3A & SR-3E (Europe)


Voltage Selector
A.C. Outlet P.C.B. (Dip Side)
Power Switch P.C.B. Ass'y
Power Transformer
to Power Supply P.C.B. Ass'y
A.C. Input
OTHER (110V/120V/220V/240V)
Power Switch P.C.B. Ass'y
Power Transformer
to Power Supply P.C.B. Ass'y
A.C. Input
AUSTRALIA (240V)
Power Switch P.C.B. Ass'y
Power Transformer
to Power Supply P.C.B. Ass'y
A.C. Input
EUROPE (220V)
BRN
GRY
YEL
WHT
BLK
BLU
RED
ORN
VIO

Notes: 1. Table of wire colors

| | | | |
|---|---|---|---|
| BRN | — Brown | BLU | — Blue |
| RED | — Red | VIO | — Violet |
| ORN | — Orange | GRY | — Gray |
| YEL | — Yellow | WHT | — White |
| GRN | — Green | BLK | — Black |

2. Component side view of the P.C.B. is illustrated unless otherwise specified.
3. CN-36 on the Main P.C.B. Ass'y and the Band Selector P.C.B. Ass'y are not mounted for the former Models.

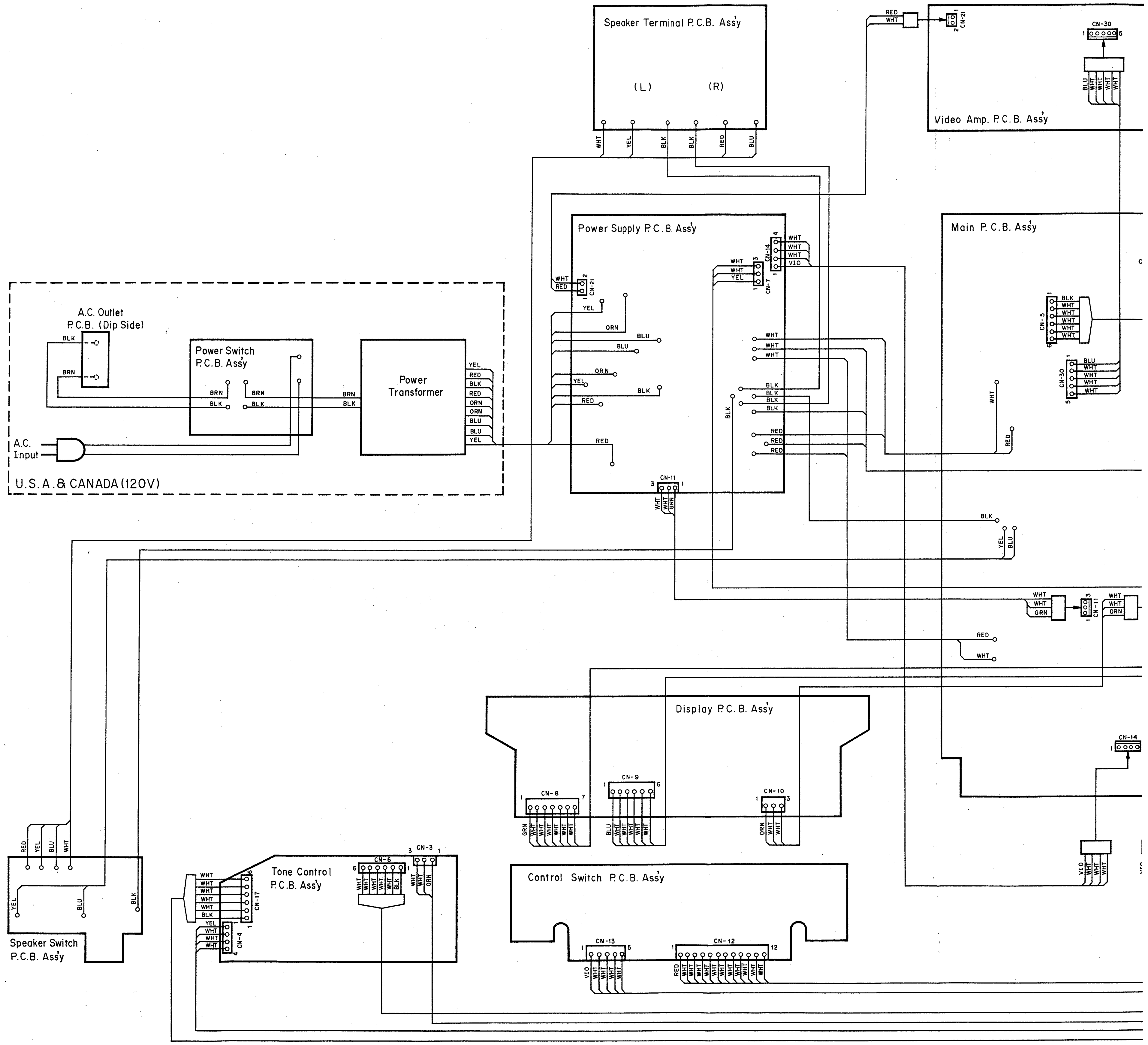
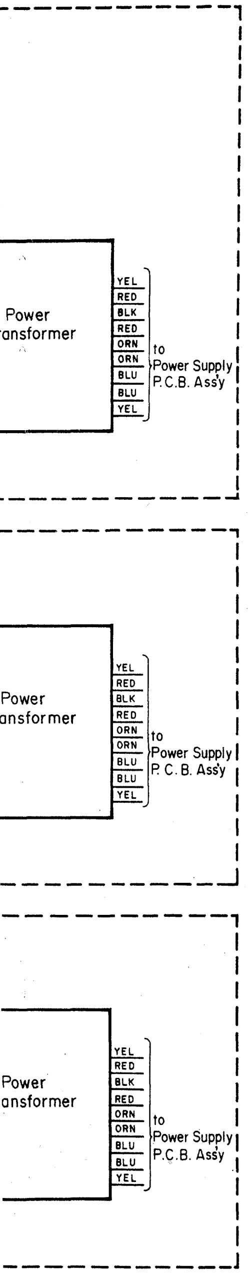
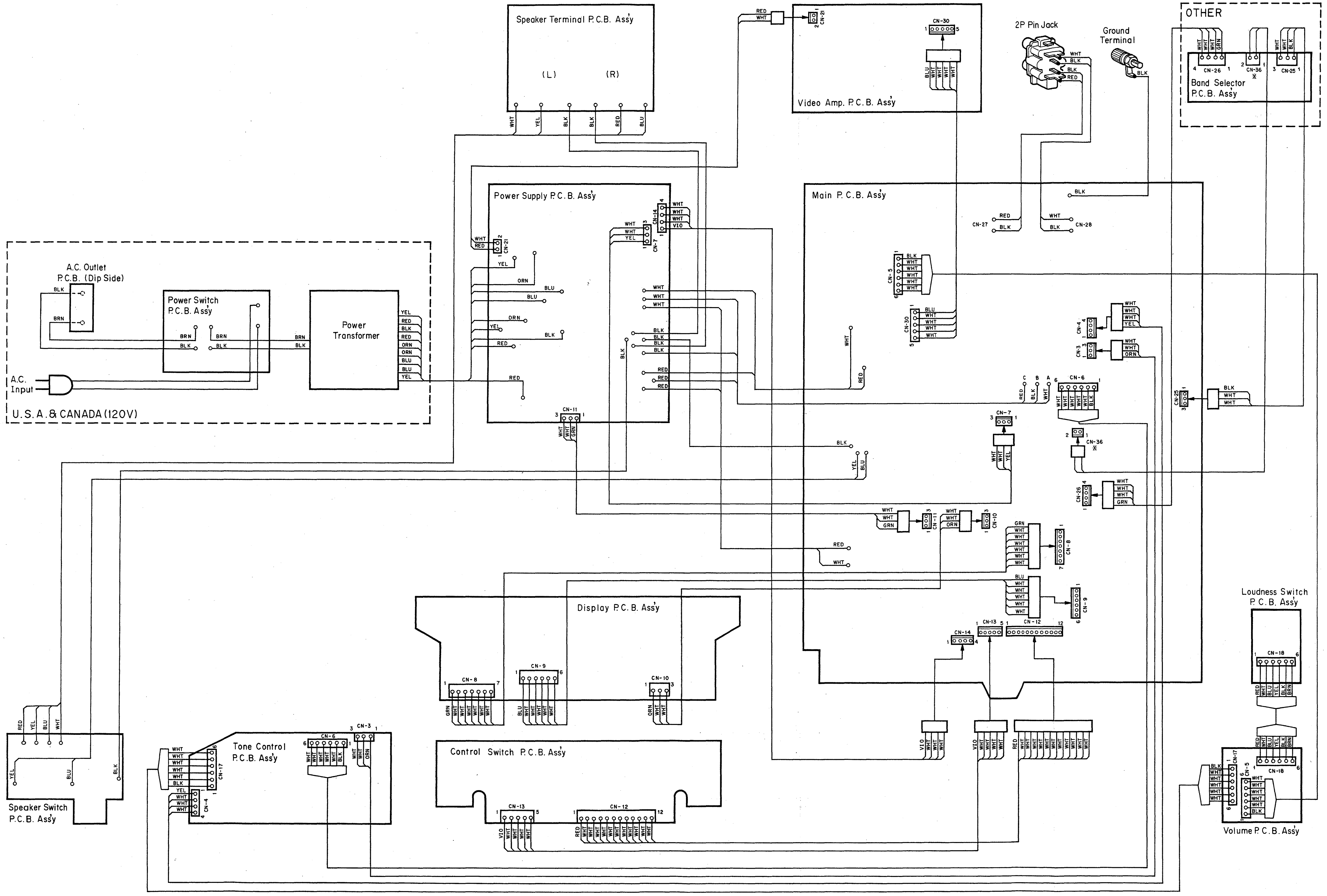

Speaker Terminal P.C.B. Ass'y
(L)
(R)
Video Amp. P.C.B. Ass'y
CN-21
CN-30
Power Supply P.C.B. Ass'y
CN-14
CN-7
CN-21
CN-11
Main P.C.B. Ass'y
CN-5
CN-30
A.C. Outlet P.C.B. (Dip Side)
Power Switch P.C.B. Ass'y
Power Transformer
A.C. Input
U.S.A. & CANADA (120V)
CN-1
Display P.C.B. Ass'y
CN-8
CN-9
CN-10
CN-14
Speaker Switch P.C.B. Ass'y
Tone Control P.C.B. Ass'y
CN-17
CN-4
CN-6
CN-3
Control Switch P.C.B. Ass'y
CN-13
CN-12
WHT
YEL
BLK
RED
BLU
ORN
BRN
GRN
VIO

Fig. 7.1 For SR-3, SR-3A & SR-3E (Europe)



Power
ansformer
YEL
RED
BLK
RED
ORN
ORN
BLU
BLU
YEL
to
Power Supply
P.C.B. Ass'y

ss otherwise specified.
or P.C.B. Ass'y are



Speaker Terminal P.C.B. Ass'y
(L)
(R)
Video Amp. P.C.B. Ass'y
CN-21
CN-30
2P Pin Jack
Ground Terminal
OTHER
CN-26
CN-36
CN-25
Band Selector P.C.B. Ass'y
Power Supply P.C.B. Ass'y
CN-14
CN-7
CN-11
Main P.C.B. Ass'y
CN-27
CN-28
CN-5
CN-30
CN-4
CN-3
CN-6
CN-7
CN-36
CN-26
CN-25
CN-11
CN-10
CN-8
CN-9
CN-14
CN-13
CN-12
A.C. Outlet
P.C.B. (Dip Side)
Power Switch
P.C.B. Ass'y
Power
Transformer
A.C.
Input
U.S.A.& CANADA (120V)
Display P.C.B. Ass'y
CN-8
CN-9
CN-10
Loudness Switch
P.C.B. Ass'y
CN-18
Speaker Switch
P.C.B. Ass'y
Tone Control
P.C.B. Ass'y
CN-6
CN-3
CN-17
CN-4
Control Switch P.C.B. Ass'y
CN-13
CN-12
Volume P.C.B. Ass'y
CN-17
CN-5
CN-18

Fig. 7.1 For SR-3, SR-3A & SR-3E (Europe)

**(2) For SR-3E (Germany)**

Notes: 1. Table of wire colors

BRN — Brown
RED — Red
ORN — Orange
YEL — Yellow
GRN — Green

BLU — Blue
VIO — Violet
GRY — Gray
WHT — White
BLK — Black

2. Component side view of the P.C.B. is illustrated unless otherwise specified.

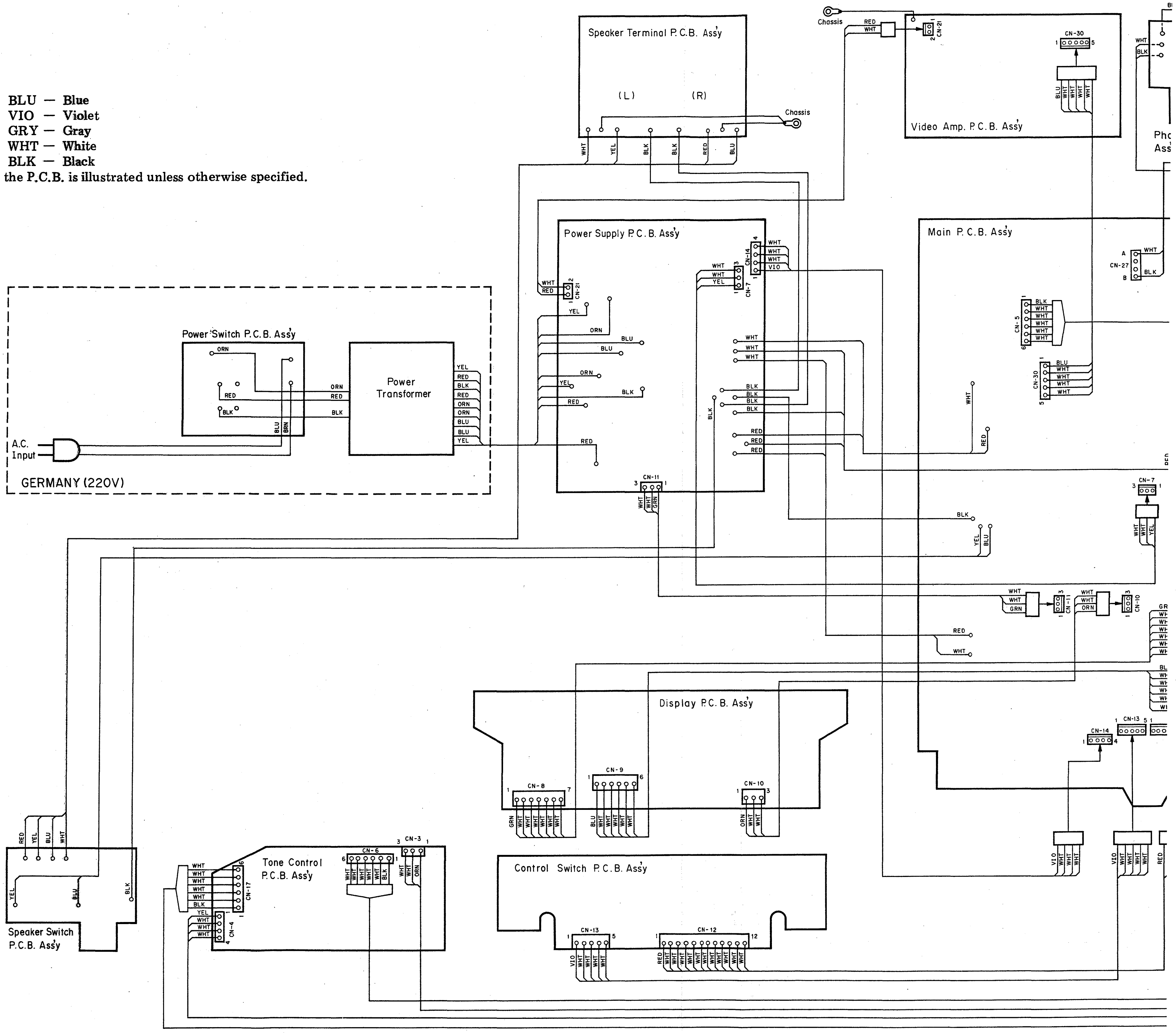

Speaker Terminal P.C.B. Ass'y
(L)
(R)
Chassis
Chassis
Video Amp. P.C.B. Ass'y
CN-30
CN-21
Power Supply P.C.B. Ass'y
CN-14
CN-7
CN-21
CN-11
Main P.C.B. Ass'y
CN-27
CN-5
CN-30
CN-7
CN-11
CN-10
Power Switch P.C.B. Ass'y
Power Transformer
A.C. Input
GERMANY (220V)
Display P.C.B. Ass'y
CN-8
CN-9
CN-10
CN-13
CN-14
Tone Control P.C.B. Ass'y
CN-6
CN-3
CN-17
CN-4
Speaker Switch P.C.B. Ass'y
Control Switch P.C.B. Ass'y
CN-13
CN-12
WHT
RED
YEL
BLK
BLU
ORN
BRN
GRN
VIO

Fig. 7.2 For SR-3E (Germany)

Table of wire colors
BRN — Brown
RED — Red
ORN — Orange
YEL — Yellow
GRN — Green
BLU — Blue
VIO — Violet
GRY — Gray
WHT — White
BLK — Black

Component side view of the P.C.B. is illustrated unless otherwise specified.

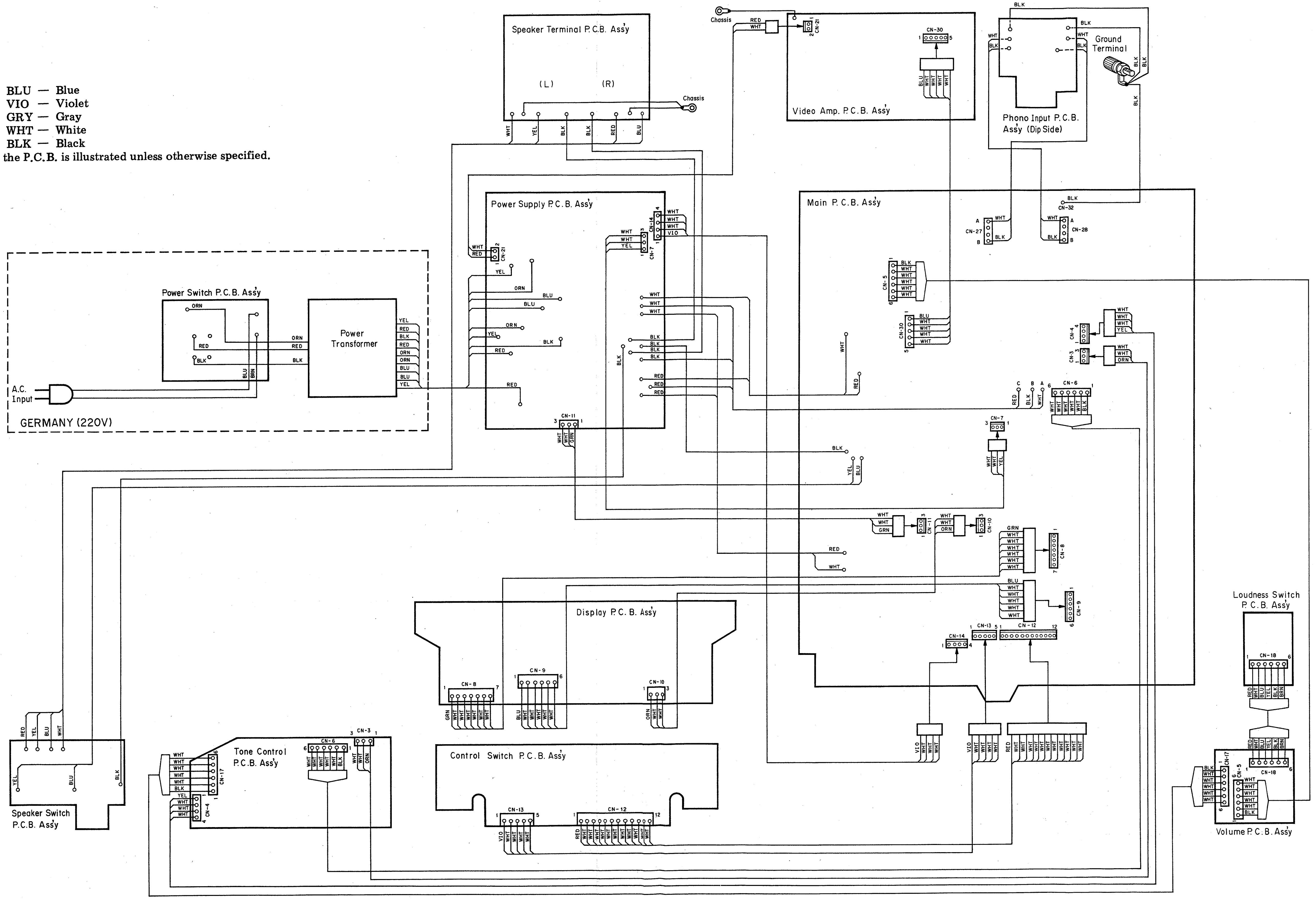
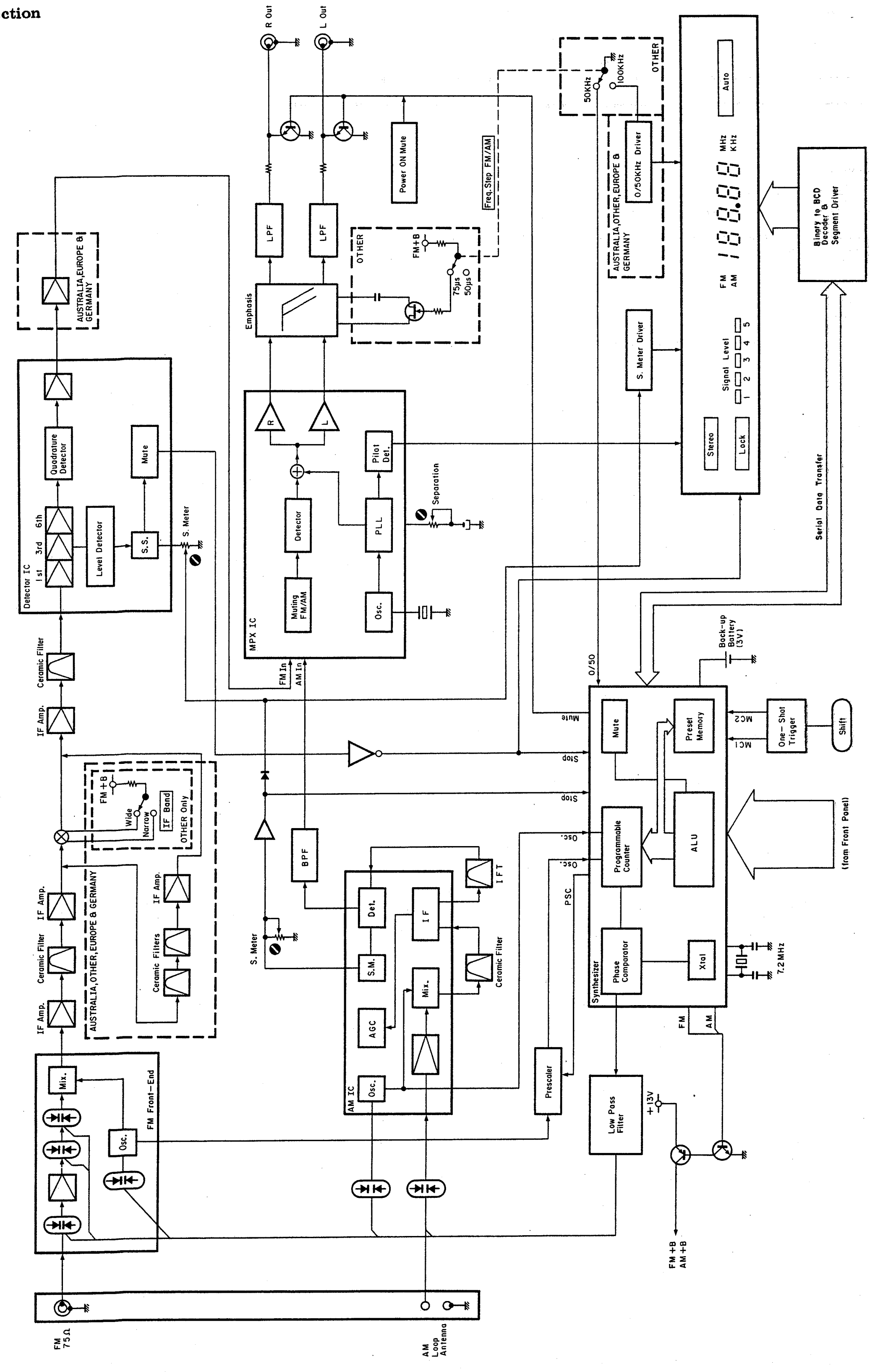

Speaker Terminal P.C.B. Ass'y
(L)
(R)
Chassis
Video Amp. P.C.B. Ass'y
CN-21
CN-30
Phono Input P.C.B. Ass'y (Dip Side)
Ground Terminal
Power Supply P.C.B. Ass'y
CN-14
CN-7
CN-11
Main P.C.B. Ass'y
CN-27
CN-28
CN-32
CN-5
CN-30
CN-4
CN-3
CN-6
CN-7
CN-11
CN-10
CN-8
CN-9
CN-13
CN-12
CN-14
Power Switch P.C.B. Ass'y
Power Transformer
A.C. Input
GERMANY (220V)
Display P.C.B. Ass'y
CN-8
CN-9
CN-10
Loudness Switch P.C.B. Ass'y
CN-18
Speaker Switch P.C.B. Ass'y
Tone Control P.C.B. Ass'y
CN-6
CN-3
CN-17
CN-4
Control Switch P.C.B. Ass'y
CN-13
CN-12
Volume P.C.B. Ass'y
CN-17
CN-5
CN-18
WHT
RED
BLK
BLU
YEL
ORN
GRN
VIO
BRN

Fig. 7.2 For SR-3E (Germany)

# 8. BLOCK DIAGRAMS

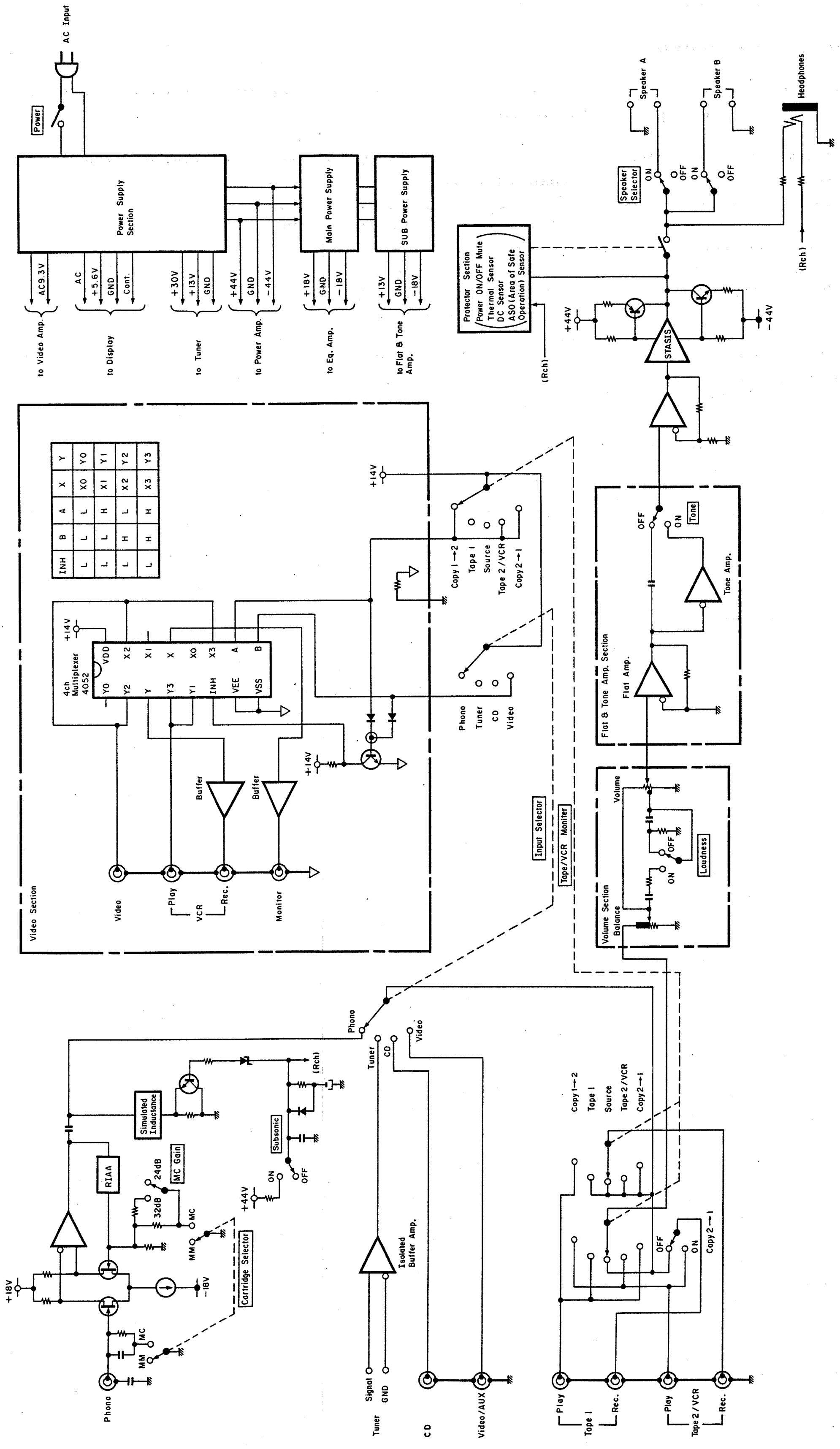
## 8.1. Tuner Section



R Out
L Out
Power ON Mute
Freq. Step FM/AM
50KHz
100KHz
OTHER
AUSTRALIA,OTHER,EUROPE & GERMANY
0/50KHz Driver
Auto
MHz
KHz
FM
AM
Signal Level
Stereo
Lock
Binary to BCD Decoder & Segment Driver
Serial Data Transfer
S. Meter Driver
LPF
Emphasis
FM+B
75µs
50µs
AUSTRALIA,EUROPE & GERMANY
Detector IC
Quadrature Detector
Mute
Level Detector
S.S.
S. Meter
Ceramic Filter
IF Amp.
MPX IC
Detector
Muting FM/AM
PLL
Pilot Det.
Osc.
Separation
FM In
AM In
Back-up Battery (3V)
0/50
Mute
Stop
Osc.
PSC
Preset Memory
ALU
Programmable Counter
Phase Comparator
Xtal
7.2MHz
Synthesizer
One-Shot Trigger
Shift
(from Front Panel)
Wide
Narrow
IF Band
OTHER Only
Ceramic Filters
BPF
AM IC
Det.
S.M.
AGC
IF
Mix.
IFT
Ceramic Filter
Prescaler
Low Pass Filter
+13V
FM+B
AM+B
FM Front-End
Osc.
FM 75Ω
AM Loop Antenna

Fig. 8.1

## 8.2. Amplifier Section



AC Input
Power
Power Supply Section
Main Power Supply
SUB Power Supply
AC9.3V
AC
+5.6V
GND
Cont
+30V
+13V
+44V
-44V
+18V
-18V
to Video Amp.
to Display
to Tuner
to Power Amp.
to Eq. Amp.
to Flat & Tone Amp.
Protector Section
Speaker A
Speaker B
Speaker Selector
Headphones
(Rch)
STASIS
Video Section
4th Multiplexer 4052
Buffer
Video
Play
Rec.
VCR
Monitor
Copy 1→2
Tape 1
Source
Tape 2/VCR
Copy 2→1
Phono
Tuner
CD
Input Selector
Tape/VCR Monitor
Flat & Tone Amp. Section
Flat Amp.
Tone Amp.
Tone
Volume Section
Volume
Balance
Loudness
Simulated Inductance
Subsonic
RIAA
MC Gain
24dB
32dB
MM
MC
Cartridge Selector
Isolated Buffer Amp.
Signal
GND
Video/AUX
Tape 1
Tape 2/VCR

Fig. 8.2

## 9. SPECIFICATIONS

### 9.1. For SR-3 & SR-3A

**Power Amplifier Section**

Note: Unless otherwise noted specifications are in accordance with IHF-A-202 measured from any high-level input (CD/VIDEO/TAPE) to the speaker output.

| | |
|---|---|
| Continuous Average Output Power | 45 watts per channel into 8 ohms, both channels driven, 20—20,000 Hz at no greater than 0.1% THD |
| Dynamic Output Power | 64 watts per channel into 8 ohms<br>80 watts per channel into 4 ohms |
| Dynamic Head Room (8 ohms) | 1.5 dB |
| Power Bandwidth | 5—40,000 Hz |
| Frequency Response | 20—20,000 Hz; +0, —0.5 dB<br>5—75,000 Hz; +0, —3 dB |
| Signal to Noise Ratio (A-WTD, Input Shorted) | Better than 105 dB re Rated Power<br>Better than 85 dB (IHF-A-202) |
| Total Harmonic Distortion (8 ohms, Rated Power, 20 Hz—20 kHz) | Less than 0.1% |
| Intermodulation Distortion (8 ohms, Rated Power, 60 Hz:7 kHz, 4:1) | Less than 0.15% |
| Headphone Rated Output (40 ohms) | 105 mW |
| Output Current Capability | 18A peak per channel |

**Preamplifier Section**

Note: Unless otherwise noted, specifications are in accordance with IHF-A-202. Except for Sensitivity, S/N, Tone and Loudness characteristics (which are measured to the speaker outputs), measurements are made from the specified input to Rec. Out.

| | |
|---|---|
| Sensitivity: (for rated Output) | |
| Phono MC (Gain: 32/24 dB) | 60/160 $\mu$V |
| Phono MM | 2.5 mV |
| CD/Tape | 200 mV |
| Video | 200 mV |
| Sensitivity: (for 1-watt output per IHF-A-202) | |
| Phono MC (Gain: 32/24 dB) | 8.94/23.9 $\mu$V |
| Phono MM | 0.37 mV |
| CD/Tape | 29.8 mV |
| Video | 29.8 mV |
| Input Impedance | |
| Phono MC | 100 ohms |
| Phono MM | 47 kohms |
| CD/Tape | 22 kohms |
| Video | 22 kohms |
| Maximum Input Level (1 kHz) | |
| Phono MC (Gain: 32/24 dB) | 3/8 mV |
| Phono MM | 140 mV |
| Record Output Level/ Impedance | 200 mV/1 kohms |
| Total Harmonic Distortion (1 kHz, to Rec Out, at 1 V) | |
| Phono MC | Less than 0.003% (either gain) |
| Phono MM | Less than 0.002% |
| RIAA Deviation | |
| Phono MC | 30—20,000 Hz ±0.5 dB |
| Phono MM | 30—20,000 Hz ±0.5 dB |
| Signal to Noise Ratio (to speaker output per IHF-A-202) | |
| Phono MC with 32 dB Gain | Better than 73 dB |
| 24 dB Gain | Better than 72 dB |
| Phono MM | Better than 80 dB |

| | |
|---|---|
| Tone Controls | |
| Bass | 20 Hz, ±10 dB |
| Treble | 20 kHz, ±10 dB |
| Loudness (Volume: —30 dB) | 20 Hz, +10 dB; 20 kHz, +6 dB |
| Subsonic Filter (Phono Only) | Cutoff Frequency 20 Hz, —12 dB/octave |

**Tuner Section**

(1) SR-3 (Canada & Other (see Note)) & SR-3A

Note: Selector switch settings for Other Model
Frequency Step FM/AM: 100 kHz/10 kHz, De-emphasis: 75 $\mu$s,
IF Band: Wide

**[FM Section]**

Note: All RF levels in microvolts given re 300-ohm antenna input. Modulation: Mono 100%, Stereo Pilot 9%, Stereo Audio Signal 91%. All measurements made at Rec Out Jack.

| | |
|---|---|
| Frequency Range | 87.5—108.0 MHz in 100 kHz steps |
| IHF Usable Sensitivity (Mono) | 11 dBf/1.9 $\mu$V |
| 50-dB Quieting Sensitivity | |
| Mono | 14.7 dBf/3.0 $\mu$V |
| Stereo | 37.5 dBf/41.1 $\mu$V |
| Signal to Noise Ratio at 65 dBf | |
| Mono | Better than 79 dB |
| Stereo | Better than 74 dB |
| Muting Threshold | 30 dBf/17.3 $\mu$V |
| Frequency Response | 20—15,000 Hz ±1 dB |
| Total Harmonic Distortion (1 kHz) | |
| Mono | Less than 0.05% |
| Stereo | Less than 0.07% |
| Capture Ratio | 2.0 dB |
| Alternate Channel Selectivity | 55 dB (±400 kHz) |
| Stereo Separation at 100 Hz | Better than 46 dB |
| at 1 kHz | Better than 50 dB |
| at 10 kHz | Better than 46 dB |
| Spurious Response Rejection | Better than 90 dB |
| Image Rejection | Better than 75 dB |
| IF Rejection | Better than 80 dB |
| AM Suppression | Better than 60 dB |

**[AM Section]**

Note: Modulation — 400 Hz, 30%

| | |
|---|---|
| Frequency Range | 520—1,710 kHz in 10 kHz steps |
| Sensitivity | 53 dB$\mu$/m |
| Signal to Noise Ratio at 90 dB$\mu$/m | Better than 52 dB |
| Total Harmonic Distortion at 90 dB$\mu$/m | Less than 0.3% |
| Selectivity | Better than 20 dB (±10 kHz) |

(2) SR-3 (Australia & Other (see Note))

Note: Selector switch settings for Other Model
Frequency Step FM/AM: 50 kHz/9 kHz, De-emphasis: 50 $\mu$s,
IF Band: Narrow

**[FM Section]**

Note: All RF levels in microvolts given re 300-ohm antenna input. Modulation: Mono 60%, Stereo Pilot 9%, Stereo Audio Signal 51%. All measurements made at Rec Out jack.

| | |
|---|---|
| Frequency Range | 87.50—108.00 MHz in 50 kHz steps |
| IHF Usable Sensitivity (Mono) | 11 dB/1.9 $\mu$V |
| 50-dB Quieting Sensitivity | |
| Mono | 21.0 dBf/6.1 $\mu$V |
| Stereo | 42.0 dBf/69.0 $\mu$V |

| | |
|---|---|
| Signal to Noise Ratio at 65 dBf | |
| Mono | Better than 74 dB |
| Stereo | Better than 69 dB |
| Muting Threshold | 30 dBf/17.3 μV |
| Frequency Response | 20—15,000 Hz ±1 dB |
| Total Harmonic Distortion (1 kHz) | |
| Mono | Less than 0.12% (for Australia), Less than 0.15% (for Other) |
| Stereo | Less than 0.20% (for Australia), Less than 0.25% (for Other) |
| Capture Ratio | 2.0 dB |
| Alternate Channel Selectivity | 70 dB (±300 kHz) |
| Stereo Separation at 100 Hz | Better than 43 dB |
| at 1 kHz | Better than 43 dB |
| at 10 kHz | Better than 37 dB |
| Spurious Response Rejection | Better than 90 dB |
| Image Rejection | Better than 75 dB |
| IF Rejection | Better than 80 dB |
| AM Suppression | Better than 60 dB |

**[AM Section]**
Note: Modulation: 400 Hz, 30%

| | |
|---|---|
| Frequency Range | 522—1,611 kHz in 9 kHz steps |
| Sensitivity | 53 dBμ/m |
| Signal to Noise Ratio at 90 dBμ/m | Better than 52 dB |
| Total Harmonic Distortion at 90 dBμ/m | Less than 0.3% |
| Selectivity | Better than 20 dB (±9 kHz) |

**General**

| | |
|---|---|
| Power Source | 120, 240 or 110/120/220/240 V AC, 50/60 Hz (According to country of sale) |
| Power Consumption | 270 watts max. |
| Convenience Outlets | Switched: 2 (For U.S.A., Canada & Other only) |
| Dimensions | 430 (W) x 100 (H) x 370 (D) mm<br>16-15/16 (W) x 3-15/16 (H) x 14-9/16 (D) inches |
| Approximate Weight | 8.5 kg, 18 lbs. 12 oz. |

## 9.2. For SR-3E (Europe & Germany)

### Power Amplifier Section

Note: Unless otherwise noted specifications are in accordance with IHF-A-202 measured from any high-level input (CD/VIDEO/TAPE) to the speaker output.

| | |
|---|---|
| Continuous Average Output Power | 45 watts per channel into 8 ohms, both channels driven, 20—20,000 Hz at no greater than 0.1% THD |
| Dynamic Output Power | 64 watts per channel into 8 ohms<br>80 watts per channel into 4 ohms |
| Dynamic Head Room (8 ohms) | 1.5 dB |
| Power Bandwidth | 5—30,000 Hz |
| Frequency Response | 20—20,000 Hz; +0, −1 dB<br>5—45,000 Hz; +0, −3 dB |
| Signal to Noise Ratio (A-WTD, Input Shorted) | Better than 105 dB re Rated Power<br>Better than 85 dB (IHF-A-202) |
| Total Harmonic Distortion (8 ohms, Rated Power, 20 Hz—20 kHz) | Less than 0.1% |
| Intermodulation Distortion (8 ohms, Rated Power, 60 Hz:7 kHz, 4:1) | Less than 0.15% |
| Headphone Rated Output (40 ohms) | 105 mW |
| Output Current Capability | 18A peak per channel |

### Preamplifier Section

Note: Unless otherwise noted, specifications are in accordance with IHF-A-202. Except for Sensitivity, S/N, Tone and Loudness characteristics (which are measured to the speaker outputs), measurements are made from the specified input to Rec. Out.

| | |
|---|---|
| Sensitivity: (for rated Output) | |
| Phono MC (Gain: 32/24 dB) | 60/160 μV |
| Phono MM | 2.5 mV |
| CD/Tape | 200 mV |
| Video | 200 mV |
| Sensitivity: (for 1-watt output per IHF-A-202) | |
| Phono MC (Gain: 32/24 dB) | 8.9/24 μV |
| Phono MM | 0.37 mV |
| CD/Tape | 29.8 mV |
| Video | 29.8 mV |
| Input Impedance | |
| Phono MC | 100 ohms |
| Phono MM | 47 kohms |
| CD/Tape | 20 kohms |
| Video | 20 kohms |
| Maximum Input Level (1 kHz) | |
| Phono MC (Gain: 32/24 dB) | 3/8 mV |
| Phono MM | 140 mV |
| Record Output Level/ Impedance | 200 mV/1 kohms |
| Total Harmonic Distortion (1 kHz, to Rec Out, at 1 V) | |
| Phono MC | Less than 0.003% (either gain) |
| Phono MM | Less than 0.002% |
| RIAA Deviation | |
| Phono MC | 30—20,000 Hz ±0.5 dB |
| Phono MM | 30—20,000 Hz ±0.5 dB |
| Signal to Noise Ratio (to speaker output, IHF-A-202) | |
| Phono MC with 32 dB Gain | Better than 71 dB |
| 24 dB Gain | Better than 70 dB |
| Phono MM | Better than 78 dB |

| | |
|---|---|
| Tone Controls | |
| Bass | 20 Hz, ±10 dB |
| Treble | 20 kHz, ±10 dB |
| Loudness (Volume: —30 dB) | 20 Hz, +10 dB; 20 kHz, +6 dB |
| Subsonic Filter (Phono Only) | Cutoff Frequency 20 Hz, —12 dB/octave |

### Tuner Section

### [FM Section]

Note: All RF levels in microvolts given re 300-ohm antenna input. Modulation: Mono 60%, Stereo Pilot 9%, Stereo Audio Signal 51%. All measurements made at Rec Out jack.

| | |
|---|---|
| Frequency Range | 87.50—108.00 MHz in 50 kHz steps |
| IHF Usable Sensitivity (Mono) | 11 dBf/1.9 μV |
| 50-dB Quieting Sensitivity | |
| Mono | 23.0 dBf/7.7 μV |
| Stereo | 43.0 dBf/77.4 μV |
| Signal to Noise Ratio at 65 dBf | |
| Mono | Better than 72 dB |
| Stereo | Better than 67 dB |
| Muting Threshold | 30 dBf/17.3 μV |
| Frequency Response | 20—15,000 Hz ±1 dB |
| Total Harmonic Distortion (1 kHz) | |
| Mono | Less than 0.20% |
| Stereo | Less than 0.25% |
| Capture Ratio | 2.0 dB |
| Alternate Channel Selectivity | 70 dB (±300 kHz) |
| Stereo Separation at 100 Hz | Better than 43 dB |
| at 1 kHz | Better than 43 dB |
| at 10 kHz | Better than 27 dB |
| Spurious Response Rejection | Better than 90 dB |
| Image Rejection | Better than 75 dB |
| IF Rejection | Better than 80 dB |
| AM Suppression | Better than 60 dB |

### [AM Section]

Note: Modulation — 400 Hz, 30%

| | |
|---|---|
| Frequency Range | 522—1,611 kHz in 9 kHz steps |
| Sensitivity | 53 dBμ/m |
| Signal to Noise Ratio at 90 dBμ/m | Better than 52 dB |
| Total Harmonic Distortion at 90 dBμ/m | Less than 0.3% |
| Selectivity | Better than 20 dB (±9 kHz) |

### General

| | |
|---|---|
| Power Source | 220 V AC, 50/60 Hz |
| Power Consumption | 270 watts max. |
| Dimensions | 430 (W) x 100 (H) x 370 (D) mm<br>16-15/16 (W) x 3-15/16 (H) x 14-9/16 (D) inches |
| Approximate Weight | 8.5 kg, 18 lbs, 12 oz. |

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